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		#include <eb rb_log.h=""></eb>	61
	ŝ	#include <eb eb_port.h=""></eb>	60
-RSTF1_GetNecessarymedia	123	*/	, u
"RSTPI_GetFindResults",	122 1	Though broadons	5 57
"RSTPI_FindRestorableObjects",	121 1		
"RSTPIL StartRestore",	120 1		
*DOTE HATTON OF THE TOTAL OF TH	110 1	#Include different	2 1
"ESTRE_LSTRETERESTECKINGSCRIPTORTIME",	117 1	#include <sys param.n=""></sys>	2 2
"RSTPI_IsThereNextBackup",	116 1	*/	5 52
"RSTPI_IsTherePrevBackup",	115 1	* System headers.	50
"RSTPI_SetMostRecentBackup",	114 1	\(\frac{1}{2}\)	49
"RSTPI_SetFirstBackup",	113 1		
"RSTPI_SetNextBackup",	112 1		
"RSTPI_SetPrevBackup",	111 1	#define _POSIX_SOURCE 1	46
*RSTPI_SetBackupForTime",	110 1		
"RSTPI_GetCurrentBackupTime",	109 1	*/	4
"RSTPI_GetAllBackupTimes",	108 1	* Remove for non-POSIX, non-portable code.	43
"RSTPI_IsobjectMarkable",	107 1	* The following is required for code that uses POSIX API's.	2 :
"RSTPI ISObjectMarked",	106 1		8 8
BASTOT Immerication	100	cranders definer required to turn on or	
"ROTH MATCHINGT"	100	* Housting there environmen	2 0
"BOTTL Geologievellempiaces .	102		
TOTAL COLUMN C.	101		
*DOTEL CLEGINGSCOLGCOLGCC	100	FORCE	3.5
"ROTEL GERNACLEVELON GERS",	99 1	"SDartes";	ŭ
TOTAL	38	- AUGUSTANA -	33
TRATEL GERIODES COLS.	97 1	static char RCS_id [] = "\$RCStile\$"	32
"RSTPI_Initialize",	96 1		31
"RSTPI_Identity",	95 3		
char *piruncNames[FiruncindexLasc+1] = (94 1	*/	29
		** with the what(1) utility. The intent is to keep this short.	28
*	92	/* The following provides an RCS id in the binary that can be located	27
. as the Firmcindex varies defined in varbidania.	91		
seni asani			
or the pregrammed attacks which he in the same order and nosition	90		
* Delinitions of the names of the program functions in the production	89		24
A STATE OF THE PARTY OF THE STATE OF THE STA	8	**	23
•			22
			21
struct restore_context *rcp = NULL;	85	** Compile-Time Options:	20
*	84	**	19
* throughout the rest of the restore operations.	83	:	18
* This is the global "restore context" that will be used	882	** Internal Functions:	17
*	8 8		16
* External declarations	80		5 1
/*	79	** RSTSL Initialize	1 1
		** lable of Contents:	1 12
static int validate_plugin(struct pluginData *piDataPtr);	76		=
static eerrno_ty init_plugins(restore_context 'rcp);	75	initialize and terminate the restore operation.	10
*/	73	** This module contains the Restore Service Library	9
* #defines, structures, typedefs local to this source file	3 2	** Purpose:	00 -
/*	2	** Copyright (c) 1998,1999 by EMC Corporation.	. 0
			5
#include <rslstartup.h></rslstartup.h>	66	** File Name: RSLinitfin.c	
Wild Took Address and the second seco	6 6	200	
* Local headers	65		ы
/*	64		

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pgms_restore/RSLinitfin.c 3 Thu Jan 03 12:52:58 2008	/* * Initialize the few "recover context" variabl * this early stage.	<pre>if (status = rbrloq_begin(rcp, progname)) { return(status); }</pre>	* Initialize the logging mechanism.	rcp->gui_mode = 1;	, set the appropriate field in the recovery context to indicate that this recover session is based on the Recover AFI. 'This flag is in place for historical reasons but is used by other parts of the Recover AFI library.	<pre>if (!rcp->rc_lumant_uichame) { rec_api.log.csm(SIB_CSM_NAMEM, NILL); return(EP_RB_EECOVER_NAMEM); }</pre>	rcp->rc_human_uidname = esl_strdup(userName);	<pre>memset(rcp, 0, sizeof(struct restore_context));</pre>	rec_api_log_cam(SUB_CSM_NOMEM, NULL); return(ESP_MB_RECOVER_NOMEM); }	<pre>rcp = (struct restore_context *)malloc(sizeof(</pre>	if (NULL == rcp)	* now.	* If we have not yet allocated space for a restore_context * structure, do so now. If we have already done so, just clear it	\'*	(eerrno_ty status = E_SUCCESS;	eerrno_ty RSTSL_Initialize(const char *userName)	· 在《日本》的《日本》的《日本》的《日本》的《日本》的《日本》的《日本》的《日本》的	* userName (I) - The name of the user.	2D The Mescore AF1.	* INIS function takes care or all the initialization for a rescore * session. This must be called prior to any of the other functions	*	/*************************************
Page 4 of 92													210 1 211 }	208 1	206 1	204 1	201 1	199 1		195 1	193 1	191 1
2 pgms_restore/RSLinitfin.c 4 Thu Jan 03 12:52:58 2008													return(status); /* End of RSTSU_Initialize() */	status = init_plugins(rcp);	/* Do plugins setup: Find and initialize all valid restore plugin libs: */) revertibrane)/	if (status = starumy(rcp))	',	* -Infer any information we can at this point.	"The following call will:	setup_proc(rcp);	, ,

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RSTSL_Initialize

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RSTSL_Initialize

Thu Jan 0:	273 1	270 2	269 3	267 3	265 2	264 1	262 1	260 1	258 1	255 1 256 2 257 2	251 1 252 1 253 1	250 1	248 1	245 1	244 1	243 1	240 1	239 2	237 1	235 1	232 1	230 I		226	225	223	221	220	219	217	216	214
Thu Jan 03 12:52:58 2008 pgms_restore/RSLinitfin.c 5 Page 5 of 92	<pre>if (NULL != rcp->rc_nmarks_by_plane)</pre>	rop->rc_marks(mc_n) = NULL;	tree(rcp->rc_marks(mc_n]);	{	(ATTITUTE OF THE PROPERTY OF	for {mc_n = 0; mc_n < rcp->rc_marks_plane_alloc; mc_n++)	*/	* Property many essage		<pre>if (NULL := rcp->rc_mcp) /* Free the multicat structures */ (mraf destroy(rcp->rc mcp);</pre>	* Deallocate the memory of restore_context and the related * structures. */	*	rbr_cleanup(rcp);	* the log file.	* item, then calls rbrlog_end(* Call rbr_cleanup() which kills the aux proc(} RemoveSubmitFiles();	return(E_SUCCESS);	if (NULL == rcp)	eerrno_ty err = E_SUCCESS;	int mc_n;	RETRIC_Y RETRIL Finish (void)		*/	* none	* Paramaters:	* This routine will clean up any local memory used in the session. *	regress. It will be rejected if a restore is currently being executed.	 This function terminates a restoral session, but not while a restore is in 	* Function Description:	" KSISL_FINISH	
Thu Jan 03	334 2	2 2	1	331 3	329 3	328 3	327 2	325 2	323 2	320 1 321 1	316 1 317 1 318 1	314 1		311 1 312 2	309 1	307 1	305 1	303 2	1 00	299 1	297 1	294 1	292 1	290 2	289 1	287 1 #	285 2	283 1	p.e	279 1	278 1	275 2
Thu Jan 03 12:52:58 2008 pgms_restore/RSLinitfin.c 6 Page 6 of 92	<pre>dlclose(rcp-> currentPiptr-> libHdl); rcp->piList * rcp->piList->next;</pre>	rep-> currentPIptr-> idData))-> name);	((struct pluginTDdata *)/	rbe_user_error(err, "RSTPI_Finish failed for restore plug-in	/* log error, continue */	rcp)))	rcp-> currentPIptr-> piPuncArray[PIPuncIndexFinish] (/* allow plugin to clean up and close .so: */	rcp->rc_backup_app++;	rcp->rc_backup_app = 0; while (rcp->currentFIptr = rcp->piList)	* Pree the plugin related data */		<pre>(void)ebvl_volidlist_destructor(rcp->ebvllist, EBVL_DESTROY_ALL);</pre>	<pre>if (NULL != rcp->ebvllist) {</pre>	*/ * LIEE THE ADTHUG TYSE WATHACHTER.	/*	THE TANK TANK TO THE TANK THE THE TANK THE TANK	(file / way you day ago.)	if (NULL = rgb->rg dsnones)	we can do a free here.	of denone_info structures, the list is allocated via malloc * of an array initially (ref. alloc plane arrays()), therefore	* Free the DS_NONE structures array * Free the DS_NONE structures array * Note that are though to denomine is the head of linked list)	rbc freeconfig(rcb->rc config):	if (NULL ! = rcp->rc_config)	#endif	free(rcp->rc_cfgname);	<pre>if (NULL != rcp->rc_ctgname)</pre>	#16 0	* Free the configuration structures */	*	<pre>free(rcp->rc_nmarks_by_plane); }</pre>

RSTSL_Finish

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RSTSL_Finish

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	bging_reasonernommine o	rage o or az	pgms_restore/machinin.c/	Page / of az	Page
Thu lan 03 12:52:58 2008	name and an IDD witting of		able)		398
			The second secon	F)	396
			from the source elient bostname).		394
			if (NULL != rcp->rc_source_client_hostname)	16	393
			rcp->rc_cma_concext); */		391
			mal/temp de	N N	390
			if (NULL != rcp->rc_cmd_context)		
			IIee(Icb->rc_crienc_arrcop))	1 2	385
			if (NULL != rcp->rc_client_dirtop)		
				<u></u>	381
			<pre>/* don't free, its internal: free(rcp->rc_client_scriptname); */</pre>	20	
			9	1 1 f	378
			Tide/Ich-Vrc_CttencTinornum./	- 2	
			1E (NULL IN ECD->EC_CLIENC_NUSCHANNE)	2 1	373
			ATTENDED TO A STATE OF THE PARTY OF THE PART		
			free(rcp->rc_client_rbuname);	1 2	370
			(NULL != rcp->rc_client_rbuname)	2 1 1 1 1	
)	366
			<pre>/* don't free, its internal: free(rcp->rc_effective_uidname); */</pre>	8	
			<pre>if (NULL != rcp->rc_effective_uidname) {</pre>		363
				-	
	return(err); /* RSTSL_Finish */	422 1	free(rcg->rc_human_uidname);	N N	360
			if (NULL != rcp->rc_human_uidname)		358
	rcp = NULL,	418 1	17 BB (17 C) -21 C MOT VIT CHI" 1701 BB (17 C) -21 C MOT VIT CHI" 1701 BB (17 C)	1	356
	free(rcp):	417		о ю	
	*/	415 1	(NULL != rcp->rc_workitem_name)	r if	353
rext (replf	* simila deallocate the restore con	413 1	free(rcp->rc_tempiate_name);	1 2	350
		411 1		80 1	
	free(rcp->rc_pwd);	409 Z 410 Z	if (NULL != rcp->rc template name)		
	if (NULL != rcp->rc_pwd)	408 1	free(rcp->rc_top_level_object_name);		345
	free(rop->rc_plugin_wi_types);	405 2 406 1	<pre>if (NULL != rcp->rc_top_level_object_name) {</pre>	N H	343
	The Court of the C	404 2			341
	if (NITT I - replace plugin wi types)		* Pree the various simple string buffers		339 1
*	-	1			
(rcp->rc_cpiogen_executable);	<pre>(/* don't free, its internal: free(rcp->rc_cpiogen_executable);</pre>	399 2 400 2	į,	2 20	336
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QILENICU-YQLISHE II	541 3	Company Departs (constitutions)	
library %s\n*,		Cher chick park (waynamir out).	482 I
ed for restore plug-	539 4	r	480 1
rbe_user_error(0,	538 4	struct pluginIDdata *idDataPtr;	479 1
	537 4	int val_result;	478 1
else if (val_result < 0)	536 3	struct pluginData "piListPtr = NULL;	477 1
described a company of the contract of the	535 3	uginDat	476 1
director of name discrepant is	526		475 1
"Functions missing from restore plug-in library %s:	533 4	struct dirent *dirento:	474 1
rbe_user_error(0,			-
<pre>{</pre>	531 4	static eerrno_ty init_plugins(restore_context *rcp)	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	529 3	*/	469
piDataPtr)))		* close plugin dir	468
if (0 != (val_result = validate_plugin(528 2	* add to valid plugin list	467
/- Do identity processing: cair it, save obtions, variable -/		* add workitem types to composite exclusion list	466
/* Fetch addresses of all mandatory functions and */	525 2	* fetch all indicated optional function addrs	464
		* validate version number	463
continue; /* skip this one */	522 3	* fetch all mandatory function addresses * call Tdentify function	461
<pre>direntp->d_name, dlerror());</pre>	521 3	* continue	460
SERVE OPERALLY AVOIDED PAGE AS AS AS TO	320	* close shared library file	459
rbe_user_error(0,	519 3	* open shared library file (else continue)	457
	518 3	* verify .so file (else continue)	456
= dlopen(shlib_path, RTLD_NOW)))	517 2	* while read_next_entry succeeds	6
if (NULL == (piDataPtr->libHdl	516 2	* onen plugin dir	450
creaming sortial mark(ortial Arrian) Arrants va some).		* Logic/pseudo code:	452
continue; /* skip this guy */	513 2		451
if (NULL == strstr(direntp->d_name, ".so"))		* E_SUCCESS or EP_RB_RECOVER_xxx	450
	510 2	* 2011716	448
	509 3	* none	447
/* fall thru to cleanup */		* Outputs:	446
	508 4	* TOD II - FOLIKOZE CO LEGECOLE CONCENCE	445
status = EP RB RECOVER NOMEM:	506 4	(7)	46
struct pluginData))))			442
= calloc(1, sizeof(505 3	* Parameters:	441
if (NULL == (piDataPtr data Structure -/	503 3	* function is called for each valid library.	439
if (NULL == piDetaPtr)	502 2	the RSTPI_Initialize	
	501 2	* the corresponding functions are present. Finally,	438
while (NULL := (dirents = readdir(dirp)))	500 1	and that	ţ
/* loop three on directors:/	2	The RSTPI_Identity function is called for each	
	497 1	* mandatory functions.	436
stroat(shlib_path, "/");	496 1	all	
stropy(shlib path. @b cure plugin dir):	495	 directory are opened and validates for version# and presence of 	435
	н		434
#endif	492 2 #		433
Total district	491 2	"Inis function locates, opens, validates and initializes all restore	432
contract of the second contract	490 2 #		431
return E_SUCCESS;	489 2	* Function Description:	429
#1f 1	N	* init_plugins	428
rec api log csm(SUB CSM PLUGIN ERR, NULL):	487 2	·	427
<pre>/* open plugin directory or bust */ if (NULL == (dirp = opendir(eb_cure_plugin_dir)))</pre>	484		
mu pari voi 12:32:30 2000 mil program rage i 0 01 82	illu odii o	20 to a after 1	
into attacks	Th. 1-10	- Opposite the second s	1011.12

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	20.00	To and the last of the control of th	9 900
		rcp->rc_plugin_wi_types,	593 4
		memcpy(tmp_types,	592 4
		/* mayo old list to now buffer and free old list */	591 4
		if (NULL != rcp->rc_plugin_wi_types)	
		DI GOA,	589 3
		status = EP_RB_RECOVER_NOMEM;	
			586 4
		+ rcp->rc_num_plugin_wi_types	585 3
		tmp_types = calloc(1, 1 + idDataPtr->num_types	584 3
		if (idDataPtr->num_types > 0)	
		<pre>/* add workitem types to composite exclusion list */ idDataPtr = (struct pluginIDdata *)piListPtr->idData;</pre>	580 2 581 2
	***************************************	piDataPtr = NULL;	578 2
		pibistPtr = pibataPtr; /* new end of list */	577 2
		pinistruc-suexu = pinacarur;	576 2
	-	else	575 2
		rep-spinise- producter: /* first in list */	574 2
		if (NULL == pilistptn)	573 2
		/* add ninarabry to valid plugin light */	
	-	rcp->appData = NULL;	
		/* save plugin's appData */ piDataPtr->appData = rcp->appData;	568 2
	625		566 2
return status;	624 1	/* on any error, skip this lib */	202
		continue: /* this was't fatal */	
_	621 2	status = E_SUCCESS;	564 3
free (piDataPtr);		ningraphr-plibBdl = NULL:	
dlclose(piDataPtr->libHdl);		dlclose(piDataPtr->1ibHdl);	562 3
rep);		direntp->d_name);	
rop-vappuata = pipacaror-vappuata; pipataPor-vappuata;		store plug-in li	560 3
(/* allow plugin to clean up and close .so: */	615 3	rbe_user_error(status,	559 3
while (NULL != (piDataPtr = piListPtr))		II (B_SUCCESS := Scalus)	
if (E_SUCCESS != status)		piDataPtr->piFuncArray(PIFuncIndexInitialize)(rcp);	
		status =	556 2
if (NULL != pidatartr);	610 1	rcp->appData = NULL;	555 2
/* free up leftovers: */	1 809	/* let DC plug-in do its initialization */	
(void)closedir(dirp);	606 1		
	100	continue; /* on any error, skip this lib */	550 3
_	603 2	/* close .so on errors */	
rcp->rc_plugin_wi_types = tmp_types;	602 3	dlclose(piDataPtr->libHdl);	
idDataPtr->num_types;			547)
=+ sədfn_tw_utbrachcare-dar	599 3	direntp->d name); %s\n",	
idDataPtr->wi_types,		plug-in libr	545 4
memcpy(tmp_types + rcp->rc_num_plugin_wi_types,	597 3	(rhe user error(val result.	543 4
free(rcp->rc_plugin_wi_types);		else	542 3

	Th. 100 40 70 70 0000	Thu lan 03 13:53:59 2000	Thu. Is
		if (status = E_SUCCESS) if (NULL return scaupe; = { if (NULL = (LObers per = { return -2; stuct pluginDdsta * pihatabtr->idbsta) return -2;	675 1 676 1 677 1
		<pre>/* call identify and validate: */ status = piDataPtr->piFuncArray[FIFuncIndexIdentify](</pre>	672 1 673 1 674 1
		} return -1;	668 2 669 2 670 1
return 0;	721 1 }	<pre>if (NULL == (p)FuncPtr) disym(p)InterPtr->libid1,</pre>	666 2 667 2
}	719 1	<pre>for(index = 0; index <= PIFuncIndexLastBasic; index++) {</pre>	663 1
) (piDataPtr->idData = NULL; return -4;	715 1 716 2 717 2 718 2	int sindax; eerro_ty sindax; struct pluginIDdeta *idDataPtr;	
<pre>piFuncNames(PIFuncIndexGetMedia])))</pre>	714 1	static int varidate_prugin(struct pruginbata "prostaert")	658 1
idbatattr->options & RSTPI_OPTION_MASK_GET_MEDIA)) && (NULL == (pibma.ptr->pipmoArray[Fibmo.fndexdetMedia] = (piFuncPtr) dlsym(piDmtaPtr->libHdl,		****/	655
/* OR if special getMedia option set, get its eddr or bust "/ ((RSTPI_OPTION_SPECIAL_GET_MEDIA == (709 1 710 1 711 1	* +n (*BB_RB_RECOVER_xxxx) for error codes returned from Identify function *	654
<pre>pifuncNames[PIFuncIndexFindResults]))</pre>			652
<pre>piDataPtr->piFuncArray[PTFuncIndexFindResults] = (piFuncPtr) dlsym(piDataPtr->libHdl,</pre>		 -1 on any missing required functions -2 if version validation fails OR identify returns junk -3 if work/fem trop validation fails 	649
<pre>piFuncNames[PIFuncIndexFind])))</pre>	705 1	* Returns:	647
&& (NULL == (piFuncPtr) piruncAtray riruncinexrina = (piFuncPtr) disym(piDataPtr->libHdl,	702 1 703 1 704 1	 pifunchrray in pibataPtr is loaded with pointers to plugin functions 	646
== (idDataPtr->options & RSTPI_OPTION_MASK_FIND))	701 1	* Outputs:	644
/* OR if special find option set, get its addr or bust */	699 1	 production : production :	642
piFuncNames[PIFuncIndexStartRestore])))		* Inputs:	641
= (piFuncPtr) dlsym(piDataPtr->libHdl,	696 1	* Parameters:	639
== (idDataPtr->options & RSTPI_OPTION_MASK_START)) && (NULL == (and finds its optional functions. Specific error values are * returned on version mismatch and missing optional functions.	637
<pre>/* if startRestore option set, get its addr or bust */ if ((RSTPI_OPTION_SPECIAL_START</pre>	692 1	It then calls the identify function and verifies wthe plugin * version,	636
return -3;	690 1	and source them in the initiation pointed aliay. If any function is missing It returns -1.	635
<pre>/* count cant be positive with null pointer piDataPt>idData = NULL;</pre>	687 2	* This function retrieves the addresses of the mandatory plugin functions	8
if (idDataPtr->num_types && !idDataPtr->wi_types)	686 1	. Lauction pescribiton:	632
	684 1	* Propried Description.	630
piDataPtr->idData = NULL; return -2;	682 2	* validate_plugin	629
<pre>if (idDataPtr->version != RSTPI_VERSION) { /* only version ! supported so far */</pre>	680 1	/ surfard out	
A C AN ART. PARTY COLORS I - NORTH ANDROYS (N. 1997)	690 1	/* init pluging */	626 /* I

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of 92	ì
ooms restore/RSLintific c 15	validate_plugin */
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poms restore/IRSLintifia o 16	
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110000	Thu Jan		80	5 4	<u>.</u>	Thu Ja
1110 cm1 co 15.05.00 5000	03 12:52:58 2008			#include <restor #include <ebconf< td=""><td>#include <restor< td=""><td>Thu Jan 03 12:52:58 2008</td></restor<></td></ebconf<></restor 	#include <restor< td=""><td>Thu Jan 03 12:52:58 2008</td></restor<>	Thu Jan 03 12:52:58 2008
restore_ochribatilitice i	restore doni/dunin or 1			<pre>#include <restore rslplugin.h=""> #include <ebconfig rbconfig.h=""></ebconfig></restore></pre>	e/restoretree.h>	SOURCE 1
28 IO 11 BB2	Page 17 of 92					Page 17 of 92
I III Jali	Thu lan	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	552	13 1	= 5	Thu Jar
11th Jail 03 12:52:56 2006	03 10:50:58 0008	cout << "Time: Ze	cout << "Time: " << t << endl ;	DateTime t(time); if(time)	extern "C" void dump_unix_time(RSTRPC_time_ty time)	Thu Jan 03 12:52:58 2008
restore_acpripting.cc.c	restore deni/alugin on 9	*Time: Zero value\n*;	<< t << endl ;		time(RSTRPC_time_ty time)	dump_unix_time
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		37	35 1	33 1	31 2		22 22 24	25 1 26 1	22	Page 19 of 92
		7	out << "End	} tree (c),	0 2 200	t=new D	for (RSTRPC_	DateTime *t; out << *Dump	extern "C" vo	2610.6
			out << "End of time list\n";		out << *Time: " << *t << endl;	ateTime(listelem->time);	for(RSTRPC_time_list *listelem=list;listelem;	<pre>DateTime *t; out << *Dump of time list\n';</pre>	extern "C" void dump_time_list(RSTRPC_time_list *list, ostream &out) {	dund-me-jist
						118cerem=11scerem=>nexc)	em;		ist *list, ostream &out)	1110 9011 00 12:02:00 2000
59 1	56 1					46 2 2		2 2 2	40 1	9
return;	out << "End of dump RSTRPC_tlo_list\n";	out << "	if(ro->objTypeString)	OUT CA	if(ro->objName)	out << "TLO "		50	extern "C" void dump_tlo {	
	TRPC_tlo_list\n*;	types: " << ro->objTypeString << endl;	ng)	name ." << ro->ohiName .		out << "TLO " <= ndl; out << "FLO " <= ndl; out << " level: * < ro->objlevel << " Backup App: " << out <	bj *tobj=list->tlo;	_tlo_list\n"; (ext)	extern "C" void dump_tlo_list(RSTRPC_tlo_list *list.ostr@am &out) {	1
		tring << endl;		<end1:< td=""><td>ro->backupApp<<endl;< td=""><td>Backup App:"<<</td><td></td><td></td><td>st,ostream &out)</td><td></td></endl;<></td></end1:<>	ro->backupApp< <endl;< td=""><td>Backup App:"<<</td><td></td><td></td><td>st,ostream &out)</td><td></td></endl;<>	Backup App:"<<			st,ostream &out)	

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restore_dcpi/plugin.cc 5			
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Thu Jan	77 S S S S	64 1	Thu Ja
Thu Jan 03 12:52:58 2008 resto	<u> </u>		
restore_dcpi/plugin.cc 6 Pag	a";	<pre>extern 'C' void dump_uro_list(RSYRPC_uro_list 'list.ostream &out) { out << "Dump of RSYPLO". for(list.list.list.Pacxt)</pre>	dump_uro_list Pa
Page 22 of 92		out)	Page 22 of 92

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									//	3 of 92
										Thu Jan 03 12:52:58 2008
197	106 1	102 1 103 1	99 1	93 1 94 2 95 2 96 2	90 1 98 1	85 1 87 1	80 1 82 1 83 1		74	Page 24 of 92
~		rcd->currentWisetListNode=NULL; rcd->currentWisetNode=NULL; rcd->currentWisetNode=NULL;	<pre>struct restoreContextData *rcd= (struct restoreContextData *)(context->appData);</pre>	<pre>if(!context->appData) {</pre>	con	else (rbe_log_stats(0,*8STPL_Initialize, no delay on startup*);		// See if an initial sleep is needed // Char *sleetenv(*RSTPL_INITIALIZE_SLEEP*); if((sl)*	~ 0	24 of 92 RSTPI_Initialize Thu Jan 03 12:52:58 2008

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extData *)(context->appData);
法律特种法律法法检查检查检查检查的 网络阿拉特斯 网络阿拉特斯 医克洛特氏 医阿洛特氏 医克格特氏 医克格特氏 网络阿拉特 医阿拉特氏试验检尿道 医克格勒氏 医克勒氏征
test for cancellation
ID of the submit user object created to describe
T) - Indicator of transport the restoral is to be over (SCSI)
only if inPlace == False)
Flag if the restoral is to be in original locations
EDMRST_Start to begin execution of the restore.
٠

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RSTPI_Submit

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RSTPI_Submit

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		if(!rcd->currentWisetListNode->populate(
new_top->appbata.length=sizeof(char *);	303 2	// Apparatus manage angula valuay	240 1
*temp_ptr=(cher *)rn;		// populate this node only	238 1
	299 2		
return EP_RB_RECOVER_MALLOC_FAILURE;		rcd->currentWisetListNode=new WiSetListNode((char *)sourceHost);	235 1
(che los especial solucion on a mellon dell'ares).	296 3		
if(temp_ptr)	295 2		232 1
char ** temp_ptr;		raturn EP RB RECOVER RC APP DATA NULL.	
		if(ired)	229 1
<pre>new_top->flags (= TLO_BITFLAG_NETWORK_RESTORE_NOT_POSSIBLE;</pre>	290 3	context->appData);	
		struct restoreContextData *rcd=(struct restoreContextData *)(227 1
<pre>// C++ standard evaluates left to right, so this is null-safe if(bn && ibn->detNetworkRestorePossible())</pre>	287 2	// Range	
tChild();	286 2	// Now look through current backups and put on list if in	224 1
* first backup of the work item)	284 2	{	222 1
* option, if we don't find a client in the ddtab for the		short *numberEntries)	221
 (b) Marking network as "not possible" when we find that case (so we consider network restore possible, and an allowed 	281 2	struct RSTRPC_tlo_list	220
	280 2	const char * sourceHost,	218
* failsave manner by		500054 0.110	
" one. Although this should always work, we will behave in a	277 2	· 有有的对话也有有的有效,也有有的有效,我们也不是有的,我们也不是有的,我们也不是有的,我们也不是有一个,我们也不是有一个,我们也不是有一个,我们也不是一个,	216
don	275 2	_RB_RECOVER_xxx on	214
* We need to check to see if a network is restorable for this	274 2	* E_SUCCESS on success	213
•	271 2		21.1
memset(new tob, 0, sizeof(struct RSTRPC_top_level_obj));	269 2	* topLevObjs (0) - ptr to linked list of Top Level Objects	209
return EP_RB_RECOVER_MALLOC_FAILURE;		- the name	
rbe_log_stats(0, "plugin.cc - malloc failure");	267 3	* sourceHost (208
if(lnew_top)		9.	206
sizeof(struct RSTRPC_top_level_obj));		*	205
RSTRPC_top_level_obj *new_top=(RSTRPC_top_level_obj *)malloc(264 2	 Will manage the composite list of tob level objects from aft 	204
return EP_RE_RECOVER_MADDOC_FALLORE;	262 3	The generic restore service library	
rbe_log_stats(0, "plugin.cc - malloc failure");		* set of applicable backup objects.	203
TI(:::0w_rrsc_erem)	260 3	this plug-in call must retrive the whole	202
struct RSTRPC_tio_list));		maximum	
RSTRPC_tlo_list "new_list_elem=(RSTRPC_tlo_list ")malloc(sizeof(258 2	* While the restore API will be called repeatedly to retrieve a	201
(*numberEntries)++;		* file for 'top level objects' of the given client.	199
11) population of the property	255 2	it only looks in the config	
rn;	253 1	* It is a GUAL of this routine to return all objects ever backed * In successfully. For network backing, though.	197
for(RestoreNode *rn =rcd->currentWisetListNode->getFirstChild(),	252 1		196
		* which are restorable for the given client.	195
RSTRPC_tlo_list *previous=NULL;	249 1	* items for network backups and work item sets for Symmetrix Connect	194
*topLevelObjs=NULL;	247 1	 This function is called to retrieve the configurable backup objects (work 	193
*numberEntries=0;	246 1		192
	244 1	* Get Top Level Objects	191
return EP_RB_RECOVER_WISETLIST_NODE_POPULATE_ERR;	242 2		
context, POPULATE_NODE, so			
Thu Jan 03 12:52:58 2008 RSTPI_GetTopLevelObjects Page 30 of 92	Thu Jar	Thu Jan 03 12:52:58 2008 RSTPI_GefTopLevelObjects Page 29 of 92	Thu Ja

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			return E_SUCCESS;	347 1 ret
				345 1 }
			<pre>if(previous) previous-prext=new_list_elem;</pre>	335 2 336 3 337 3 339 2 339 2 340 3 341 3 342 2
			<pre>new_list_elem->tlo=new_top; new_list_elem->next=NULL;</pre>	332 Z 333 Z
			new_top->wiType='\0'; new_top->ssThread=FALSE;	329 2 330 2
			<pre>rbc_log_stats(</pre>	325 3 326 3 327 2
			<pre>if(NULL == new_top->root.obj?pyeString NULL == new_top->hostname NULL == new_top->fileSpec)</pre>	J21 2 J22 2 J23 2
			new_top->fileSpec=es1_strdup(""); // Blank as placeholder	319 2
			new_top->root.objTypeString=esl_strdup(''); new_top->hostname=esl_strdup(rcd->currentWigetListNode->getName());	317 2 318 2
			new_top->wiBIC=NULL; // new_top->templateName=esl_strdup('*'); // Blank as placeholder	313 2 314 2 315 2
			<pre>rbe_log_stats(0, 'plugin.cc - allocation failure from esl_strdup failure'); return Er_RB_MECOVER_MALLOC_FAILURE; }</pre>	309 3 311 2
		350 //	new_top->root.objlewosl=MSTRPC_tlo_type; new_top->root.objNeme=seal_strdup((char *)(rn->getNameChar())); if(NULL==new_top->root.objName)	305 2 306 2 307 2
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Thu Jan		404 1 406 2 407 1	400 1 402 1	396 2 397 2 398 1	393 1	390 1		383 I	380 1 381 L	377 1 378 1		373	370	366 367	364	362	361	358	356	355	352	Thu Ja
Thu Jan 03 12:52:58 2008	// Set the current backup node	// if (rnodep->nodeType() := RNC_NI_SET) f return EP_NB_RECOVER_TLO_NOT_WISET_NODE }	// // Top level object should always point // is the case.	<pre>(return EP_RB_RECOVER_RN_APP_DATA_NULL;)</pre>	RestoreNode *rnodep=(RestoreNode *)(*cl); if(!rnodep)	// Get the current node // char ** cl=(char **)(bac	return EP_RB_RECOVER_RC_APP_DATA_NULL, }	if(!rcd)	struct restoreContextDal	// Get the restore context	eerrno_ty RSTPI_SetTopLev	* packupupupu (1)	Œ	* EP_RB_RECOVER_XXX	* saveset_thread elements	* NOTE: This function is	* called to retrieve th * backup object.	* for browsing and marking this * If this call returns success,	* objects has been sele * should perform whatev	* This function is call	* Set TopLevel Object:	Thu Jan 03 12:52:58 2008
restore_dcpi/plugin.cc 17	p node	RNC_WI_SET) (_TLO_NOT_WISET_NODE;	uld always point to a work item set node	(_RN_APP_DATA_NULL;	storeNode *)(*gl);	// Get the current node info from the top level object // char ** cl=(char **) (backupobject->appData.data);	<pre>_RC_APP_DATA_NULL;</pre>		rcd=(struct restoreCont	ext so we can find the app data	eerrno_ty RSTPI_SetTopLevelObject(restore_context *context.otp_level_obj struct RSTRPC_top_level_obj	**************************************	- Pointer to the restore context	on success	s of the restore context.	responsible for setting the template_name	called to retrieve the highest level restorable objects will be backup object.	for browsing and marking this top level object. If this call returns success,	objects has been selected (for browsing and marking). should perform whatever validation and initialization	This function is called to notify the plug-in that one of its top	/*************************************	RSTPI_SetTopLevelObject
Page 33 of 92			set node						extData *)(context->appData);		*backupobject)	*********	- Xt		änd	emplate_name	Objects will be ects for this	Arabara	The p	one of its top	*	Page 33 of 92
Thu Jan	471 3 472 3	468 3 469 3	5 5 5 5	460 4 461 3 462 3	457 3 458 3	454 454	450 3	448 2 2		443 2	438 3 439 3	437 2		432 1	429 1 429 1	425 1	422 2 423 2 424 1	420 1 421 2		414 1	412 1	Thu Jar
Thu Jan 03 12:52:58 2008	if(NULL == be NULL == co	char * templa backupobject- context->rc_t	return EF	return EF) RnProperty *t if(!tnnade)	rcd->currentBackupNode=bn; if(!rcd->currentBackupNode {	rcd->currentBackupNode-	// If we alre	<pre>bnsave=bn; // Save in case we hav if(bn->getStateBit(STATE_COMPLETE))</pre>	// Errors will set int err=bn->populs	// Populate in cas	more=0;	if(NULL == nextBno	nextBnode=(Backup)	<pre>for(BackupNode *bn=(Be more; bn=nextBnode)</pre>	<pre>BackupNode *bnsave=NULL; BackupNode *nextEnode; int more=1;</pre>	rcd->currentBackupNode=NULL;	rcd->currentBacku rcd->currentBacku	if(NUbl != rod->currentBackupNode)	// 61 1 /6	// Set the current ba	rcd->currentWisetNode=(WiSetNode *)rnodep	Thu Jan 03 12:52:58 2008
restore_dcpi/plugin.cc 18	backupobject->templateName context->rc_template_name)	<pre>char * templateBase*(char *)(/(char *) tpnode) ->getValue()); backupobject->templateBases; context->rc_template_name=esl_strdup(templateBase);</pre>	return EP_RB_RECOVER_NO_TEMPLATE_PROPERTY.	<pre>return EP_RB_RECOVER_WI_LOCKED; } RnProperty *tpnode=bn->getProperty(PROPERTY_TEMPLATE); if(!tpnode)</pre>	<pre>rcd->currentBackupNode=bn; if(!rcd->currentBackupNode->lockWorkitems(context)) {</pre>	rcd->currentBackupNode->unlockWorkitems(context); rcd->currentBackupNode->unmarkNode(TRUE,FALSE);	// If we already have a current backup node,	<pre>// Save in case we have to return an incomplete one teBit(STATE_COMPLETE))</pre>	// // Errors will set appropriate state bits on nodes int err=bn->populate(context, POPULATE_CHILDREN);	// Populate in case this is necessary		if(NULL == nextBnode) // Force end of loop if no more items to	nextEnode=(BackupNode *)(rnodep->getNextChild());	<pre>for(BackupNode *bn=(BackupNode *)rnodep->getFirstChild(); more; bn=nextBnode)</pre>	, E.,	e=NULL;	rcd->currentBackupNode->unlockWorkitems(context); rcd->currentBackupNode->unmarkNode(TRUE,FALSE);	ntBackupNode)		// // which is FULL // whis FULL // which is FULL // which is FULL // which is FULL // whic	=(WiSetNode *)rnodep;	RSTPI_SetTopLevelObject
Page 34 of 92		<pre>node) ->getValue()); mplateBase); plateBase);</pre>	PERTY;	RTY_TEMPLATE);	s(context))	ms(context); RUE,FALSE);	ode, clear all marks	n an incomplete one	nodes (EN) ;			f no more items to scan	1(0);	:Child();			ext); E);			t one in time		Page 34 of 92

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				-
			return E_SUCCESS;	
			return EP_RB_RECOVER_MALLOC_FAILURE;	520 3 521 2 522 1
		er symmetric i de	<pre>rbe_log_stats(0,"plugin.cc - ellocation failure from esl_strdup");</pre>	
			if(NULL==backupobject->templateName NULL==context->rc_template_name) (516 2 517 2 518 3
			backupobject->templateName=esl_strdup(templateBase); context->rc_template_name=esl_strdup(templateBase);	513 2 514 2
			<pre>char * templateBase=(char *)({{</pre>	512 2
			return EP_RB_RECOVER_NO_COMPLETE_BACKUP;	
		enormo amano.	ıf(!tpnode)	508 2
		***************************************	RnProperty *tpnode=rcd->currentBackupNode->getProperty(PROPERTY_TEMPLATE);	507 2
			return EP_RB_RECOVER_WI_LOCKED;	
			<pre>rcd->currentHackupNode=Dnsave; if(!rcd->currentHackupNode->lockWorkitems(context))</pre>	502 2
			ECCI-2CULEUIODGAUJANOGE-2CULEUNANANANANANANANANANANANANANANANANANANA	500 3
			if(NULL!=rcd->currentBackupNode) {	
			<pre>rbe_log_stats(0, "Could not find any backup node"); return EP_RB_RECOVER_NONE_EXISTS;</pre>	494 3
			// We shouldn't be able to get here, but let's check for safety	493 3
			if(NULL==bnsave)	490 2 491 2
			If (!rcd->currentBackupNode)	90 po
			// Check and make sure we got one	30 po
				484 1
			~	482 2
			more=0;	
			<pre>// Break out so that we get the first one on the list // (most recent)</pre>	478 3
				476 3
		527 //	rbe_log_stats(.p. rblugin.cc - allocation failure from esl_strdup*); .return SP_RB_RECOVER_MALJOC_FAILURE;	475 4
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// // Traverse the children of the current node and create a restorable // Object list.	644 645	rnodep=(kestorewode *)(*G1); break; case RSTRPC_container_type:	85 Z 86 2
RSTRPC_user_restorable_object *urobj;		<pre>case RSTRPC_tlo_type: cl=(char **)(((RSTRPC_top_level_obj *)parentObj)->appData.data);</pre>	
RSTRPC_uro_list *previous=NULL; RSTRPC_uro_list *listentry;	640	<pre>switch(objectLevel) {</pre>	82 1
<pre>child=(RestoreNode *)*cookie;)</pre>	637	char ** cl;	1 64
// Standards issue: Caution, assuming long can be cast to/from pointer	636	RestoreNode *rnodep;	76 1
else {	634	// Geta the restore node of the child	74 1
child=rnodep->getFirstChild();	632		72 1
RestoreNode *child; if(0 == *cookie)	629 630	if(ired) (return EP RH RECOVER RC APP DATA NULL.	70 2
// Danger Will Robinson - this relies on ebing able to fit a pointer // into a cookie (long int).	626 627 628	<pre>struct restoreContextData *icd= (struct restoreContextData *) (context->appData);</pre>	66 1
// off. //	624 625		64 1 {
// it is actually a pointer to the position int he chain where we left	*numberEntries, 623 boolean_ty allowBadFiles) 623	const tous unabartates, const boolean ty allow	62
// This code checks to see if we have a cookie.		struct RSTRPC_uro_list **objects, long *cookie,	60 9
int entries_count=0;	tr parentObj, tLevel objectLevel, 619	restring_ty noise_vertenties and seven testicise_content to income the present Objection of the content objection objection objection objection.	557
return EP_RB_RECOVER_CURRENT_BACKUP_NODE_NULL;	/*******/	THE BORD OF WARFING ON THE PROPERTY OF THE PRO	
if(!rnodep)	613 1 614 2	* EP_RB_RECOVER_XXX on error	55 55
	611 1		5 6
<pre>if(rnodep=*rcd->currentWisetNode) { rnodep=rcd->currentBackupNode;</pre>	returned in the list 608 include bad files 609) - the real number of objects (I) - flag whether or not to	5 6
	ets to return 606	* maxEntries (I) - the maximum number of objects to ret * numberEntries (545
// is the one which pertains to the point in time we are interested in.	the objects list 605	O) - a point	-
// acrually want the children of the current backup node.			
// If we are getting the children of the current workitem set node,	9	- Apper	542
**	ontext 602	<pre>* context (I) - Pointer to the restore context * parentObject (I) - the parent object</pre>	540
return EP_RB_RECOVER_RN_APP_DATA_NULL;	599		538
If(!rnodep)	cookie) to allow 598	" continuing on the next cell to thid function.	537
		* child objects, so the caller must specify the max of children to return. The caller is returned a	535
return EP_RB_RECOVER_BAD_OBJECT_LEVEL; break;	h the objects are 593 ly be thousands of 594	* whether or not to include bad files. Even though the objects are * returned in a linked list, there could conceivably be thousands of	533
break; default:	parent object and 592	of a given parent object. The caller specifies the parent object and	532
<pre>RSTRPC_user_restorable_object *)parentObj)->appData.data); rnodep=(RestoreNode *)(*cl);</pre>	the children 590	* This function is intended to allow retrieval of the children	531
case RSTRPC_leat_type: cl=(char **)(((589	* Get Next Level Objects:	529
Thu Jan 03 12:52:58 2008 RSTPI_GetNextLevelObjects Page 38 of 92	e 37 of 92	Thu Jan 03 12:52:58 2008 RSTPI_GetNextLevelObjects	Thu Jan

o allow bad files 711 2	of 92 restore_dcpi/plugin.cc 24 Ihu Jan 03 12:52:58 2008	Page 40 of 92		Page 39 of 92
o allow had files 11		771 2	RnProperty *gname=child->getProperty(PROPERTY_GUINAME);	
o allow had files 11	urobj->objGroupName=esl_strdup(tmp_group);	770 3	char *ch=NUEL;	706 2
o allow had files 11	urobj->objOwnerName=esl_strdup(tmp_owner);	769 3	char *rp=NULL;	705 2
o allow had files 11	9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	767 2	// this final character.	703 2
o allow had files 11		766 2	// If the final character is a */", look for the token preceeding	
o allow had files 11	urobj->objGroupName=es1_strdup(anode->getGroupChar());	765 3		,
o allow had files 11.2 12.2 12.3 12.3 13.3 14.2 14.2 14.2 15.2 16.2	// (/ Archi-solutional dept. / (/ Archi-solution dept. / Archi-solut	763 3	// Find bago name - token after final // if present	
o allow bad files 111	(762 3		699 2
o allow had files 11	if(child->nodeType() == RNC_ARCHIVELOGFILE)	761 2	return EP_RB_RECOVER_MALLOC_FAILURE;	
o allow bad files 111 2	// strings since we got it from the wetwork restore Ari		rbe_log_stats(
o allow had files 11	// Archive log file node stores owner and group as character	758 2	Tr (Nottourou) - recor.co) name/	696 3
o allow bad files 11.2 11.2 11.2 11.3 11.4 (cheel_stroup(child_name); 11.5 11.5 (cheel_stroup) 11.5 11.5 (cheel_stroup) 11.5 11.5 (cheel_stroup) 11.5 1		767 7	A COUNTY COUNTY COUNTY OF ANIMALY	
711 2 7 111 1 (chindrap) 112 (cheal_strdup(child_name)) 113 (cheal_strdup(child_name)) 114 (cheal_strdup(child_name)) 115 (chindrap) 116 (chindrap) 117 (chindrap) 117 (chindrap) 118 (chindrap) 119 (chindrap) 119 (chindrap) 120 (chindrap) 121 (chindrap) 122 (chindrap) 123 (chindrap) 124 (chindrap) 125 (chindrap) 126 (chindrap) 127 (chindrap) 128 (chindrap) 129 (chindrap) 120 (chindrap) 120 (chindrap) 121 (chindrap) 122 (chindrap) 123 (chindrap) 124 (chindrap) 125 (chindrap) 126 (chindrap) 127 (chindrap) 128 (chindrap) 129 (chindrap) 120 (chin	urobj->objMode=child->getMode();		<pre>char *child_name=(char *) (child->getNameChar()); urobj->root.objName=esl_strdup(child_name);</pre>	692 2
711 2 7 111 1 (chaeal_strokup(child_name)); 112 (chaeal_strokup(child_name)); 113 (chaeal_strokup(child_name)); 114 (chaeal_strokup(child_name)); 115 (chaeal_strokup(child_name)); 116 (chaeal_strokup(child_name)); 117 (child=nl] == // && lam>1); 118 (child=nl] == // && lam>1); 119 (child=nl] == // && lam>1); 120 (child=nl] == // && lam>1); 121 (child=nl] == // && lam>1); 122 (child=nl] == // && lam>1); 123 (child=nl] == // && lam>1); 124 (child=nl] == // && lam>1); 125 (child=nl] == // && lam>1); 126 (child=nl] == // && lam>1); 127 (child=nl] == // && lam>1); 128 (child=nl] == // && lam>1); 129 (child=nl] == // && lam>1); 120 (child=nl] == // && lam>1); 121 (child=nl] == // && lam>1); 122 (child=nl] == // && lam>1); 123 (child=nl] == // && lam>1); 124 (child=nl] == // && lam>1); 125 (child=nl] == // && lam>1); 126 (child=nl] == // && lam>1); 127 (child=nl] == // && lam>1); 128 (child=nl] == // && lam>1); 129 (child=nl] == // && lam>1); 120 (child=nl] == // && lam>1); 121 (child=nl] == // && lam>1); 122 (child=nl] == // && lam>1); 123 (child=nl] == // && lam>1); 124 (child=nl] == // && lam>1); 125 (child=nl] == // && lam>1); 126 (child=nl] == // && lam>1); 127 (child=nl] == // && lam>1); 128 (child=nl] == // && lam>1); 129 (child=nl] == // && lam>1); 120 (child=nl] == // && lam>1); 120 (child=nl] == // && lam>1); 121 (child=nl] == // && lam>1); 122 (child=nl] == // && lam>1); 123 (child=nl] == // && lam>1); 124 (child=nl] == // && lam>1); 125 (child=nl] == // && lam>1); 126 (child=nl] == // && lam>1); 127 (child=nl] == // && lam>1); 128 (child=nl] == // && lam>1); 129 (child=nl] == // && lam>1); 129 (child=nl] == // && lam>1); 120 (child=nl] == // &&			STATE_LEAFNODE)?RSTRPC_leaf_type:RSTRPC_container_type:	
2	0, plugin.cc - allocation failure from esl_strdup");		urobj=>root.objLevel=child=>getStateBit(690 2
### ### ##############################	if(NULL==tmp_owner NULL==tmp_group) (<pre>urobj->appData.data=(char *)temp_ptr; urobj->appData.length=sizeof(char *);</pre>	687 2 688 2
### ### ##############################	<pre>char *tmp_group=gid2str(child->getGroup());</pre>		*temp_ptr=(char *)child;	685 2
### ### ##############################	<pre>char *tmp_owner=uid2str(child->getOwner());</pre>		return EP_RB_RECOVER_MALLOC_FAILURE;	683 3
### ### ##############################	to fill this		(the loc state (0 "p) with or - malloc failure"):	
# files 711 2	free(ch);		<pre>char ** temp_btr; temp_btr=(har **)malloc(sizeof(char *)); if(!temp_btr)</pre>	
### ### ##############################	(NULL!=ch) if (NULL!=ch)		listentry->uro=urobj;	676 2
### ### ##############################	}		And the state of t	
### (RULL==T) f(RULL==T)		736 3	memset/urobi.0.sizeof(RSTRPC user restorable_object));	673 2
### files	(t)	734 4	rbe_log_stats(0, "plugin.cc = mailor railure // return EP_RB_RECOVER_MALLOC_FAILURE;	671 3
### ### ##############################	else	732 3	(
### (RULL==T) (RULL==T) (RULL==T) (RULL==T) (RULL==T) (RULL==T) (RULL==T) (RULL==T) (RULL==T) (RULL==T) (RULL==T) (RULL=T) (RULL=	rp=(char *)(child->getNameChar());	731 4	is(lurobi)	669 2
allow bad files	if(NULL==xp)		urobj=(RSTRPC_user_restorable_object *)malloc(sizeof(668 2
allow bad files	rp=rindex(ch,'/');	727 3		666 2
### allow bad files		200	rbe_log_stats(0, plugin.cc = mailoc tallure);	
### allow bad files	ch[len-1]='\0';	724 4		663 3
allow bad files	TE (CITETATION -) was removed.	723 4	SERVE ASTROCTURE	
Til we have chosen not to allow bad files 171 if (NULL**P) 172 if (NULL**P) 173 if (NULL**P) 174 if (NULL**P) 175 if (NULL**P) 176 if (NULL**P) 177 if (NULL**P) 178 if (NULL**P) 179 i	int len=strlen(child_name);	721 3	listentry=(RSTRPC_uro_list *)malloc(sizeof(661 2
hasen not to allow had files 711 2) STATE_BADFILE()) 713 1f (NULL==xp) 115 (dheal_sp) 1 (dheal_sexb) (file_name) / 115 1 (return EP_RB_RECOVER_MALLOC_FAILURE;	719 4	entries_count++;	659 2
hosen not to allow bud files 711 2 7 10 711 7 7 11 711 7 11 711 7 11	o	718 4		657 2
hosen not to allow bad files 711 2 } 112 11 113 11 114 115 115 115 115 115 116 116 116 117 116 116 117 116 116 117 1		717 4	continue;	
hosen not to allow bad files 711 2 } 11 2 if (NU	<pre>ch=es1_strdup(child_name); if(NULL==ch)</pre>	715 3	(0 != rnodep->getStateBit(STATE_BADFILE)))	
711 2	In (Notice and)	714 3	// (FALSE == allowBadFiles) &&	652 2
711			// Skip this entry if we have chosen not to allow bad files	651 2
710	EB=(CDGE .)((KHEEDbercActor .)Attorne)Accounte())			> N
709 3 (A Lightening		for(;child;child=rnodep->getNextChild())	648 1
208 2	(f(mame)	208 2	TOTT I Composition of the con-	rage so or oz

Thu Jan	834 2	832 3	831 3	830 2		827	826 2	824 2	822 3	820 3	819 2	817 3	816 3	814 2 815 2	813 2	811 2	810 3	808 2	807 2	806 2	804 3	802 2		799 2 800 2	797 2	796 3		792 4		791 4			786 3		783 3	782 3	781 2	780 2		776 3	775 3	774 3	773 2	Thu Ja
Thu Jan 03 12:52:58 2008 restore_dcpi/plugin.cc 25 Page 41 of 92	=listentry;	*objects=Listentry;		0180	previous->next=listentry;		If(previous)	listentry->next=NULL;	urobj->objeckupstatus=KSTRPC_Backup_Good;		else	urobj->objBackupStatus=RSTRPC_Backup_Child_Without_Data; }		STATE_CH_BADFILE))	STATE_CH_NO_SSID	else if(child->getStateBit(STATE CH INVALID SSID	urobj->objBackupStatus=RSTRPC_Backup_Expired;	STATE_EXPIRED_SSID))	STATE_NO_SSID	else if(child->getStateBit(STATE_INVALID_SSID	urobj->objBackupStatus=RSTRPC_Backup_Bad;	TICHTIC->Genoraceptc(styte"pynthing)	ARCATALAL VOOLOGERATE DAAT (CONSTRUCT DAADRITTED))	<pre>urobj->objSize.high=child->getSize().high; urobj->objSize.low=child->getSize().low;</pre>			urobj->objModTime=pr->getValue()->unixTime();	(LI (DE)	PROPERTY_BACKUP_DATE();	pr=(RnPropertyDate *)(bnode->getProperty(II (BUDGIE)	BackupNode *bnode=(BackupNode *)(child->gerBackupNodePtr());	urobi->obiModTime=0;	else	urobj->objModTime=pr->getValue()->unixTime();		if (pr)	RnPropertyDate *pr=(RnPropertyDate *)(child->getProperty(return EP_RB_RECOVER_MALLOC_FAILURE;	0, "plugin.cc - allocation failure from esl strdup");		if (NULL==urobj->objOwnerName NULL==urobj->objGroupName)	Thu Jan 03 12:52:58 2008 RSTPI_GetNextLevelObjects Page 41 of 92
_		_																																		-	-	864 L	842 1	840 3	838 3	837 3	836 2	H
Thu Jan 03 12:52:58 2008																																					return E_SUCCESS;	*GOOKIE=DONE_COOKIE		return E_SUCCESS;	*numberEr		if(entries cou	Thu Jan 03 12:52:58 2008
restore_dcpi/plugin.cc 26																																					itiles_count;	KIE;		SUCCESS;	*cookie=(long)child; *numberEntries=entries count;		if(entries count==maxEntries)	RSTPI_GetNextLevelObjects
Page 42 of 92																																												Page 42 of 92

restore_dcpi	Page 44 of 92	restore_dcpi/plugin.cc 27 Thu Jan 03 12:52:58 2008	192	Page 43 of 92
unsigned long *filesMarked, u_hyper *lenMarkedFiles,	898			
boolean_ty descend, unsigned long 'backliseCount', unsigned long 'permlenyFilesCount',	895 896			
boolean_ty allowBadFiles,	893			
<pre>eerrno_ty RSTPI_MarkObject(restore_context *context,</pre>	891 892			
	888			
• •	886			
 for this developes, the routines which use this argument (mark, unmark, submit) must be enhanced. 	884			
* Note: The Progress Callback is currently not used. If the need	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8			
test for cancellation	880			
۳.	879			
* otherWarked (0) - return the total "other" files marked after this mark.	878			
 o) - return the total directories marked after this mark occurred: 	877			
dirMarked (return the length of files marked after this mark	876			
* lenMarkedFiles(875			
* fileMarked (874			
* PermDenyFilesCount (O) returns the file count with permission denied.	873			
* BadFilesCount (0) - returns the file count with BADDATA.	871			
I) - Should me	2			
* allowBadfiles (I) - allows marking of files of state BADDATA.	698			
* file), or a container object (e.g., a directory).	868			
* thisObject (1) - The restoral object; can be a leaf object (e.g. a	867			
* context (I) - Pointer to the restore context	866			
* Parameters:	864			
 (abvllist) element of the restore context up to date. 	862			
* NOTE: This functions is responsible for keeping the volumes needed list	861			
* data using the progress callback function argument. *	859			
periodicarly check tow week engineers and update progress	800			
this function must				
 in the Restore Engine that performs the marking, 	857			
* Since the RSTSL_MarkObject call is an asynchronously executed	856			
* possibly its descendant files for restoral based on the input	89 55			
 The MarkObject operation takes a restorableObject and marks it, and 	854			
* Mark Object	852			
· / 有清洁是中午市原本企业的现在分类的的现在分类的对应的中央外域的原始的原则是中华市场中华市场的中华的原本的的现在分类的现在分类的现在分类中的现在分类的原则的	851		//	949

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RSTPI_MarkObject

Thu Jan 03 12:52:58 2008 restore_dcpi/plugin.cc 30
Thu Jan 03 12:52:58 2008

restore doni/olunin oc 32 Thu Jan 03 12:52:58 2008	Page 48 of 92	Thu lan 00 10:50:50 2000	Back 47 of ga
		1_to_uh(0);	
		*BadFilesCount=0;	997 1
		RSTPI_MarkProgressProc progressCB)	996
		unsigned long *dirMarked,	994
		u_hyper *lenMarkedFiles,	993
		unsigned long *filesMarked,	992
		unsigned long *BadFilesCount,	166
		const boolean_ty BadFiledOnly,	989
		*thisObject,	
		struct RSTRPC_user_restorable_object	886
		serron tv ESTRI InmarkObject(restore context *context	
			984
		中中中中的中央中央中央电影技术的 医球球球球 化环烷酸 医阿拉洛氏试验检检尿病毒毒毒毒毒毒毒毒毒毒毒毒毒毒毒 医克里克氏病 医克里克氏病 计可以记录器 计可以记录器 计设计设计 计设计设计 计设计设计 计设计设计 计设计设计 计设计设计 计设计设计 计记录器 计设计设计 计设计设计设计 计设计设计设计 计设计设计 计设计设计设计 计设计设计设计 计设计设计 计设计设计设计 计设计设计设计 计设计设计设计设计设计设计设计 计设	186
		* (mark, unmark, submit) must be enhanced.	982
		* for this developes, the routines which use this argument	186
	7607	* Note:	979
	-	* test for cancellation	978
return E_SUCCESS;	1040 1	* progressCB (I) - pointer to callback function to report progress and	977
*BadFilesCount=rnodep->countMarkedBadfileNodes(RNC_ANY_DATAFILE);	1038 1	O) - return the total "other" files marked after this unmark	976
(NOT NECESSALITY UNMALVEN) TION WAS	1036 1		
bad file count is a cound o	1035 1	* dirMarked (975
TENEDATIVE TANK TANK TANK TO SEE THE PERSON TO S	1033	* lenMarkedFiles(Oi - return the length of files marked after this unmark	974
KNC_ANY_DATALOR;;		 o) - return the total files marked after this unmark 	
*filesMarked=rnodep->getBackupNodePtr()->countMarkedNodes(1032 1	* fileMarked (973
// PAR TION COTTO TOARY WOMEN	T 0501	Badet Josephint (o	971
<pre>// badFilesCount, in which case the arrected nodes will on: // ba from this level down!</pre>	1029 1	 Should unmark operation descend to operate on the 	
// for the entire backup, not just this node down (except the	1028 1	* descend (470
// We start at the backup node pointer since we want the to	1022	* BadFilesOnly (969
rnodep->unmarkNode(descend, FALSE);	1025 1	e.g., a directory).	968
		file), or a container object (
"/		ect (I) - The restoral object;	967
* we perform the unmark operation on the entire MTFB node.	1021 1	* context (I) - Pointer to the restore context	965
. It the item we are triving to minary is a citize of a mire move.	1020 1	* UnmarkObject Parameters:	964
MTFB (multi trail file backup) nodes are to be	1019 1		963
/*	1018 1	* (abvllist) element of the restore context up to date.	963
rnodep=parent;	1016 2	* NOTE: This functions is responsible for keeping the volumes needed	961
	1015 2	s brothess aged territ one brothess coverages semicerous and miscones.	960
RestoreNode *parent=rnodep->getParent(); if(NIM. !=parent && parent=>podeType() == RNC_MTFB)	1013 1	and update	
		* must periodically check for user-signalled cancelation,	958
)	1010 1	* in the Restore Engine that performs the unmarking,	957
return EP_RB_RECOVER_RN_APP_DATA_NULL;	1009 2	* Since the RSTSL_UnmarKODject call is an asynchronously executed operation	956
if(NULL==rnodep)	1007 1	criteria.	-
AND DATE TO SERVICE TO	1 6001	* possibly its descendent files for restoral based on the input	985
<pre>char ** c1=(char **)(thisObject->appData.data); RestoreNode *rnoden#(RestoreNode *)(*c1);</pre>	1004 1	* The UnmarkObject operation takes a restorableObject and unmarks	954
		* Offine TXON CCC	953
*OTTOOTMATKEDIO:	1007 1	***************************************	951

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1079
1077 1
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1070 1 1071 2 1072 2 1073 1
1068 1
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Thu Jan 03 12:52:58 2008	2 restore_dcpi/plugin.cc 36	Page 52 of 92	Thu Jan 03 12:52:58 2008	restore_dcpi/plugin.cc 35	of 92	Page 51 of 92
		1115 }				
	return E_SUCCESS;	1111 1 E				
	*marked=rnodep->isNodeMarked();	1111 1				
F,	if(NULL=rnodep) { return Ep_RB_RECOVER_RN_APP_DATA_NULL; }	1106 1 1107 2 1108 2 1109 1				
thisObject->appData.data);	RestoreNode *rnodep = *(RestoreNode **)(thisObject->appData.data);	1104 1 F				
	boolean_ty *marked)	1102 1				
RPC_user_restorable_object *thisObject,	<pre>eerrno_ty RSTPI_IsobjectMarked(restore_context *context,</pre>	1100 eer				
/*****************/						
e.g., a directory). the marked(1) / unmarked(* marked (0) - boolean to receive the marked(1) / unmarked(
thecked: can be a leaf object container object (The restoral object to be checked: can be a leaf object (e.g. a file), or a container object (
core context	* context (I) - Pointer to the restore context * thisobject (
	Parameters:	1090				
same parent restorableObject.	hierarchy level, i.e. objects that have the same parent restorableObject.					
orable objects at the same object tree	current restore markings for the restorable objects at the same object t	1028				
ation. It is intended to allow the user to determine the	marked for restoration. It is intended to al.	1087 *				
ble object has been	This function determines if a restorable object has been	1085			1	1082
	/ IS Object Marked	1083 /*				
Thu Jan 03 12:52:58 2008	32 RSTPI_IsObjectMarked	Page 52 of 92	Thu Jan 03 12:52:58 2008		51 of 92	Page 51 of 92

Thu Jan 03 12:52:58 2008 restore_dcpt/plugin.cc 38 Page 54 of 92	Page 53 of 92 Thu	restore_dcpi/plugin.cc 37	Thu Jan 03 12:52:58 2008	Thu Jar
2	1177 1178 1179			
<pre>2</pre>	1176			
<pre>for(RestoreNode *bn=wilist->getFirstChild();bn;</pre>	1174			
*numEntries=0; // Count of number of entries found	1172			
1 RSTRPC_time_list *newlist=NULL;	1170			
int first=1;	1168			
if(willst) { return EP_RB_RECOVER_RN_APP_DATA_NULL; }	1162 1163 1164			
WiSetNode *wilist=rcd->currentWisetNode;	1160			
1 if(/rcd) 2 (return EP_RB_RECOVEN_RC_APP_DATA_NULL; 1 }	1155 1156 1157 1157			
struct restoreContextData *rcd=(struct restoreContextData *)(context->appData);	1153			
1 // New look through current backups and put on list if in 1 // Range	1149 1150 1151			
1 *timesList=NULL;	1147			
eerro_ty RSFPT_GetAll&chuptimes(rostors_context, context, context, context ins_t earthine, const time_t and the const time_t and time_s assiste_betap fine_ty fines, assiste_betap fines_ty fines, assiste_betap fines_trimesidet, about numberties)	1164 11164 11164 11164 1117			
***************************************	1137			
* Return Codes: * E_SUCCESS - operation completed successfully	1136			
startTime (I) include no earlier than this date eardTime (I) include no later than this date flags complex(partial end of times complex(partial end of times returned end of tim	1128 1129 1130 1131 1131			
	1126 1127			
* Function Description: * English the dates of the backups within the time range specified by the caller.	1122 1123 1123			
* Get All Backup Times	1119			
***************************************			*	1117
Thu Jan 03 12:52:58 2008 RSTPL_GetAllBackupTimes Page 54 of 92	Page 53 of 92 Th		Thu Jan 03 12:52:58 2008	Thu J

		SUCCESS;	return B_SUCCESS;	1239 1
			J	1235 2 1236 1
		A Part of the Control		1233 3
		*timesList=newlist; first=0:		1231 4
		if(first)		
	-	newlist=newtime;		1226 3
		newlist->next=newtime;		1225 4
		newtime->time=backupTime; if(newlist)		
		newtime->next=NULL;		
		// (*numEntries)++;		1218 3
		// Increment count of valid time entries		1216 3
		return EP_RB_RECOVER_MALLOC_FAILURE;		1212 4
		<pre></pre>		
		if(!newtime) sizeor(struct KSikec_time_iist);		1210 3
		RSTRPC_time_list *newtime=(RSTRPC_time_list *)malloc(1208 3
		// range. Add it here.		
		// OF we have found a backup time within the		
				1202 2
		(flags==BACKUP_SELECTION_FLAG_PARTIAL_OK) bn->qetStateBit(STATE_COMPLETE)		
		ik ik		1199 2
		(startTime<=backupTime) && (endTime>=backupTime)		1197 2
		(((startTime==0) && (endTime==0))		1195 2
		// Also, get complete backups ONLY if that is what is required		
		// Originated mayor para cris crist to the new servence remain.		1190 2
		// ot all dates if start and end time are zero		1189 2
		time_t backupTime=(DateTime)(pr->getValue())->unixTime();		1187 2
		time_t backupTime=dt->unixTime();		1185 2
		DateTime *dt=(DateTime *)(pr->getValue());		1183 2
	1241 //	// Get Unix flavored time		1180 2
1110 2011 03 12:32:30 2000	Page ob of 92	HSTPI_GetAllBackupTimes Inu Jan 03 12:52:56 2008	Page 55 of 92	Page 5

COLTENERSCRIPTIES Agarifylian Save be like of the backup that the current restore of to and return it in the preallocated buffer. On the Like of the backup Buscover, 100 the Like	Page 58 of 92	restore_dcpi/plugin.cc 42	Thu Jan 03 12:52:58 2008	F	restore_dcpi/plugin.cc 41 Page 57 of 92	Inu Jan 03 12:52:58 2008	Inu Ja
SETSL_OBCCUTENTABACHUPTIME ***BETTLE CONTENT** **							
### PARCIAL GRECOMERGINGSTAME ### PARCIAL GRECOMERGINGSTAME #### PARCIAL GRECOMERGINGSTAME ###################################							
### PARCEION Description: ### PARCEION Description: #### PARCEION Description: ###################################							1293
### ASTELL GetCurrentBackupTime ###################################					ICCESS;		
**************************************					<pre>tt=(DateTime *) (pr->getValue()); s=dt->unixTime();</pre>	DateTime *d *backupTime	
**************************************				~	Time=0; EP_RB_RECOVER_NO_BACKUPTIME;	<u> </u>	1285 2
### PANCEION Description: **PANCEION Description: **PANCEION Description: **PANCEION Description: **PANCEION Description: **PANCEION DESCRIPTION of the backup that the current restore context bupying - (0) the time of the backup buffer. **PANCEION DESCRIPTION - (1) Pointer to the restore context bupying - (0) the time of the backup current growth grow)ate *pr=(RnPropertyDate *){currentBackup->getProperty{ PROPERTY_BACKUP_DATE)}		1282
**RSTSL_GetCurrentBackupTime* **RSTSL_GetCurrentBackupTime* **Rations Description: **Return Codes: **Return Codes: **Return Codes: **Return Codes: **Resurn Codes: **Res					EP_RB_RECOVER_RN_APP_DATA_NULL;	-	1279 2
**************************************					*currentBackup=rcd->currentBackupNode; :Backup)		1276
### SUNCE DetCurrentBackupTime ###################################					EP_RB_RECOVER_RC_APP_DATA_NULL;	if(1271 1272 1273 1274
**************************************					toreContextData *rcd=(struct restoreContextData *)(context->appData)		
RETSL_GetCurrentBackupTime RETSL_GetCurrentBackupTime Function Description: Rectione Description: Rectione Description: Rectione Description: Is set to and return it in the preallocated buffer. Context: Context: Rectione () - (1) Pointer to the Preside Context Rection Codes: RESUCCESS: RESUCCE					k through current backups and put on list if in		1265 1266 1267
ASTSU_GetCurrentBeachupTime BURGLISH Description: Retrieve the time of the backup that the current restore is set to and return it in the preallocated buffer. Context: Retrieve the time of the backup that the current restore is set to and return it in the preallocated buffer. Context: Return Codes: Return Codes: BURGLISH - (0) the time of the backup BURGLISH - (0) the time of the backup BURGLISH - (1) the time of the backup BURGLISH					<pre>TPI_GetCurrentBackupTime(restore_context *context,</pre>		1262
### ### ### ### ### ### ### ### ### ##				_	化分子 经存货证券 的复数分类的 医克特特氏试验检尿液 化水铁铁矿 医克格特氏病 医克格特氏病 医克格特氏病 医克格特氏病 医克格特氏病 医马克斯氏病 医克格特氏病	* * * * * * * * * * * * * * * * * * * *	1260
#85781_GetCurrentBackupTime #85781_GetCurrentBackupTime *Parametion Description: **Rective the Line of the backup that the current restore context is set to and return in the prealloated buffer. **Is set to and return in the prealloated buffer. **Context of the backup that the current restore context bkupTime - (0) the time of the backup that the context bkupTime - (0) the time of the backup that the current sequence the parameters. That one of the backup that the current sequence the parameters of the backup that the current sequence the current sequence that the current sequence the current sequence that the current sequence the current sequence that the current sequence that the current sequence that the current sequence the current sequence that the current sequence that the current sequence that the current sequence the current sequence that the current sequence that the current sequence the current sequence that the current sequence that the current sequence that the current sequence the current sequence that the current sequence that the current sequence the current sequence that the current sequence that the current sequence the current sequence that the current sequence that the current sequence that the current sequence that the current sequence the current sequence that the current sequence that the current sequence that the current sequence the current sequence that the current sequence that the current sequence the current sequence that the current sequence that the current sequence the current sequence that the current sequence that the current sequence that the current sequence the current sequence that the current sequence that the current sequence that the current sequence the current sequence that the current sequence that the current sequence the current sequence that the current sequence that the current sequence that the current sequence that the current seq						* <i>EP_R</i>	1258
#85TSL_GetCurrentBackupTime #85TSL_GetCurrentBackupTime *Punction Description: *Rectrave the time of the backup that the current restore is set to and return in the preallocated buffer. *Parameters: *Parame					NCASS - OPERATION COMPLETED SUCCESSIONS B_RECOVER_INVALOP - call issued out of sequence B_RECOVER_BAD_ARGS - invalid input argument	* EP_R	1256
**************************************					des:	* Return Co	1254
**************************************					offine = (0) the time of the backup	* bkup	1252
ASTSU_GetCurrentBackupTime Asserticion (heartipticin): Assert to and return it in the preallocated buffer. Context is set to and return it in the preallocated buffer.					28:	* Parameter	1250
**************************************						* *	1248
ASSISI_GetCurrontBackupTime				-	e of the backup that the current restor	* Function * Retr	1246
/				125	tCurrentBackupTime	* RSTSL_Get	1244
/**************************************				-		,	1243
The same of the sa	- ugo oo oi ot				***************************************	/**********	1242

Inu Jan 03 12:52:58 2008	restore_dcpi/plugin.cc 44	Page 60 of 92	restore_dcpi/plugin.cc 43 Thu Jan 03 12:52:58 2008	Page 59 of 92
100 40.000			((1356 2
			if ((forTime >= backupTime) &&	1355 2
			time_t backupTime=dt->unixTime();	1353 2
			DateTime *dt=(DateTime *)(pr->getValue());	1151 2
			// Ger outx travored crime	7 6817
			// Our first Flattored time	
			continue;	1347 3
			if(pr)	
			<pre>RnPropertyDate *pr=(RnPropertyDate *) (bn->getProperty(</pre>	1344 2
			<pre>bn=wilkst->getNextChild())</pre>	
			=wilist->getFirstChild(
			// are looking for.	1 0961
			// // Loop through each one on the current list and return the one which we	1339 1
			return EP_RB_RECOVER_RN_APP_DATA_NULL;	1334 2
		1391)	if(wilist)	H .
	return E_RB_RECOVER_NO_BACKUP_FOUND;	1389 1 ret	WiSetNode 'wilist=rcd->currentWisetNode;	1330 1
	<pre>// rcd->currentBackupNode=NULL;</pre>	1387 1 //	EMULLI BE AD DECOMBALAC DE EL MANDENANTE	1327 2
p unchanged if no call found	// Commented out to leave current backup unchanged if no call found	1385 1 //	II (Ircd)	
		1383 1)	CONTEXT - Adiploaca /	
	return E_SUCCESS;	1381 3	struct restoreContextData *rcd=(struct restoreContextData *)(1323 1
ATE_CHILDREN);	bnode->populate(context,POPULATE_CHILDREN); // We found the one to backup	1379 3		1321 1 (
Control	recurn br ks kecover will booken	1377 4	RSTRPC_backup_flags_ty flags)	1319
CKED.	C I I'm dayloogd dd da garrion	1376 4	eerrno_ty kstri_setseckuprofilme(testore_testo	1317 ee
ockWorkitems(context))	<pre>rcd->currentBackupNode=bnode; if(!rcd->currentBackupNode->lockWorkitems(context))</pre>	1374 3	THE TRANSPORT OF THE PROPERTY OF THE PROPERTY AND THE PROPERTY.	
HILLOCOPPOS STREET, COLLEGE CO.	}	1372 4	中学学学生企业企业的外外的经济外沿场等外有专业的原则的电话的外外的结核性外沿线体外的资本等的的的现在时间的对话语言,可以这种种的一种,可以是一种的一种,一种的一种,	
nlockwork: tems (context):	C C C C C C C C C C C C C C C C C C C	1371 4	EP_RB_RECOVER_xxx - backup plane cannot be found	1313
de)	<pre>if(NULL!=rcd->currentBackupNode)</pre>	1369 3		1311
nmarkNode(TRUE,FALSE),	rcd->currentBackupNode->unmarkNode(TRUE,FALSE);	1368 4	flags (I) - Backup constraint flags: e.g., full-only/partial-ok	1309
			CONTEXT (1) - Former to the rescore context	1307
1->currentBackupNode (= bhode)	NULL != rcd->currentBackupNode && rcd->currentBackupNode != bhods		Parameters:	1306
	150	1364 3	if an exact macton is not possible.	1305
	// current one, clear marks.	1362 3	that is before the specified time,	1304
ent backup node which differs from the	// If we already have a current backup node which differs from th	1361 3	Switch to the backup plane of the specified time,	1302
1,241,	Backaphoon : pitous-(packaphoons / pit	1359 3		1301
*177.	(Set Backup For Time	1300
OTHER COMPERSOR)		¥ H	1299
ARTIAL_OK) bn->getStateBit(flags==BACKUP_SELECTION_FLAG_PARTIAL_OK) bn->getStateBit(*********	1298 /
Thu Jan 03 12:52:58 2008	RSTPI_SetBackupForTime	Page 60 of 92	RSTPL_SetBackupForTime Thu Jan 03 12:52:58 2008	Page 59 of 92

300 // Set Previous Backup 300 // Pancial Description 301 // Pancial Description 302 // Pancial Description 303 // Pancial Description 304 // Pancial Description 305 // Pancial Description 305 // Pancial Description 306 // Pancial Description 307 // Pancial Description 308 // Pancial Description 308 // Pancial Description 309 // Pancial Description 300 // Pancial Description 300 // Pancial Description 300 // Pancial Description 301 // Pancial Description 302 // Pancial Description 303 // Pancial Description 304 // Pancial Description 305 // Pancial Description 306 // Pancial Description 307 // Pancial Description 308 // Pancial Description 309 // Pancial Description 309 // Pancial Description 300 // Pancial Descri			
Set Previous Backup 138 Set Previous Backup 139 Panetion Description 140 Set the previous Backup 140 Set the previous	If (whise-sected-focked, serving_ro_secre (return Ep_Bs_BECOVER_SETTING_ro_secre) bool first=; bool first=; (or(kestoreMode *rn=whise-secre)) (// Skip this node so we don't get self if(first)) (// Skip this node so we don't get self if(first))) (// Skip this node so we don't get self if(first))) (// Skip this node so we don't get self) (// Skip this node so		
1366			
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386 Frevious Backup 1199 380 Frevious Backup 1190 480 Frevious Backup 1100 480 Frevious Backup 1101	// // // // // // // /		
1996 1997 1998 1998 1999 1999 1999 1999 1999 1990 1999 1990	// // // // // // // /		
LINE LINE LINE LINE Set Frevious Rackup LINE Function Description: LINE LINE			
1996 1997 1998 1998 1999			
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1985 *** One Frevious Backup 1997 *** Anneton homestpicion: 1001 *** Co Line courrout cont. 1002 *** Anneton homestpicion: 1003 *** Anneton homestpicion: 1004 *** Anneton homestpicion: 1005 *** Anneton homestpicion: 1007 *** Anneton homestpicion: 1008 *** Anneton homestpicion: 1009 *** Anneton homestpicion: 1010 *** Anneton homestpicion: 1011 1	H 2 2 P I		
1999 * ADEL Frevious Backup 1999 * ADEL Frevious Backup constraint one. 1001 * Co the current one. 1002 * ADEL Frevious Backup constraint flags: e.g., full-only/p 1003 * ADEL Frevious Backup constraint flags: e.g., full-only/p 1004 * ADEL Frevious Backup constraint flags: e.g., full-only/p 1005 * ADEL Frevious Backup constraint flags: e.g., full-only/p 1006 * ADEL Frevious Backup constraint flags: e.g., full-only/p 1007 * ADEL Frevious Backup constraint flags: e.g., full-only/p 1108 * ADEL Frevious Backup Constraint Backup Flags Ly flags 1115 * ADEL FREVIOUS BACKUP BAC	221 1		
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1985 *** One Frevious Backup** 1997 *** Aunction Description: 1001 *** Co the context to that of the previous back 1002 *** Aunction Description: 1003 *** Aunction Description: 1004 *** Co the context one. 1007 *** Aunction Description: 1008 *** Aunction Description: 1009 *** Auncition Description: 1009 *** Aunction Description Description De			
1388 // Set the diterator to the current lease 1389 Sametian Beckup 1399 Sate Frevious Beckup 1399 Description: 1390 Description: 1390 Assumetian Description: 1390 Assumetian Cores 1490 Assumetian Cores 1491 Assumetian Cores 1492 Assumetian Cores 1493 Assumetian Cores 1494 Assumetian Cores 1495 Assumetian Cores 1495 Assumetian Cores 1497 Assumetian Cores 14	-		
1395 *** One Frevious Backup** 1397 *** Aunction Description 1398 *** Aunction Description 1400 *** Co the context to that of the previous back 1400 *** Co the context one. 1401 *** Co the context one. 1402 *** Co the context one. 1403 *** Co the context one. 1403 *** Co the context one. 1404 *** Co the context one. 1409 *** Co the context one. 1400 *** Co the context one. 1401 *** Co the context one. 1402 *** PREND REPLACE CONTEXT on the user canada of the first context one. 1403 *** PREND LESS ON THE PROPRIES ON THE CONTEXT. 1404 *** SETUP Context one. 1407 *** SETUP Context one. 1407 *** SETUP Context one. 1408 *** SETUP Context one. 1401 *** SETUP Context one. 1402 *** SETUP Context one. 1403 *** SETUP Context one. 1404 *** SETUP Context one. 1404 *** SETUP Context one. 1407 *** SETUP Context one. 1407 *** SETUP Context one. 1408 *** SETUP Context one. 1401 *** SETUP Context one. 140	-		
1999 * Set Frevious Backup 1999 * Punction Description: 1990 * Punction Description: 1991 * Punction Description: 1991 * Punction Description: 1991 * Punction Description: 1992 * Punction Description: 1993 * Punction Description: 1994 * Punction Description: 1995 * Punction Description: 1996 * Punction Description: 1997 * Refurn Description: 1998 * Punction Description: 1999 * Punction: 1999 * Punctio	-		
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1385 /// 1397 **Set Frevious Backup* 1398 **Puretion Description: 1400 **Co Lib courrent con. 1400 **Co Lib courrent	-		
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195 / ***********************************			
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1999 - See Frevious Backup 1999 - Punction Description: 1990 - Punction Description: 1991 - Punction Description: 1992 - Punction Description: 1993 - Punction Description: 1994 - Punction Description: 1995 - Punction Description: 1996 - Punction Description: 1997 - Punction Description: 1998 - Punction Description: 1998 - Punction Description: 1999 - Punction D			
1986 **Set Previous Backup** 1997 **Duretion Description: 1900 **Duretion Description Context. 1900 **Duretion Description Context. 1900 **Duretion Description Context. 1900 **Duretion Description Context.			
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1388 // 1398 - Sent Frevious Backup 1399 - Description 1400 - Set Previous Backup 1400 - Co the current one. 1400 - Resembled: - Operation completed successfully 1401 - Resembled: - Operation completed successfully 1401 - Resembled: - Operation content 1411 - Operation cont			
1995 **Aunction Description 1997 **Aunction Description 1998 **Aunction Description 1999 **Aunction Description 1999 **Aunction Description 1999 **Aunction Description 1999 **Aunction Description contact to that of the previous back 1999 **Aunction Description Contact 11 1999 **Aunction Todas: 1999 **	1427 1		
195 / ***********************************	2		
1395 /	. 2		
1999 - Set Frevious Backup 1999 - Punction Description: 1990 - Colle current one. 1990 - Punction Collection: 1990 - Punction Description Collection: 1991 - Punction Description Collection 1991 - Punction Description 1992 - Punction Description 1993 - Punction Description 199	- 1-		
/// 1999 Soft Frevious Backup 1999 Annetion Description 1999 Parameters 1999 Parameters 1999 Parameters 1999 Parameters 1990 Parameters			
1989 * One Frevious Backup 1999 * Add Frevious Backup 1999 * Puncied the restrace context to that of the previous back 1999 * Co the crustored cone. 1001 * Co the crustored cone. 1002 * Assembling * A			
195 / Set Frevious Backup 197			
1995 **Aureton Description 1997 **Aureton Description 1998 **Aureton Description 1999 **Aureton Description 1999 **Aureton Description 1990 **Co Libe outroat one. 1990 **Aureton Description 1990 **Aureton Description Context to that of the previous back 1990 **Aureton Description Context			
195 / ***********************************	context->appData);		
1395 // 1397 - Set Frevious Backup 1398 - Dunction Description: 1399 - Dunction Description: 1390 - Assumeters context to that of the previous back 1390 - Assumeters Context II - Pointer con. 1400 - Co Lib courses (II - Backup constraint flags: e.g., full-only/p 1400 - Assumeters Codes 1400	struct restoreContextData *rcd=(struct restoreCont		
195 / ***********************************			
/// 1995 // 1997 Sate Frevious Backup 1997 Sate Frevious Backup 1998 Punction Description: Sate the restore context to that of the previous back 1998 Punction Description: Sate the restore context to that of the previous back 1998 Parameters: 1998 Parameters: Parameters: 1990 Paramete	-		
198 / ***********************************			
195 / ***********************************			
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198 / ***********************************	*		
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/// Set Frevious Backup 1999	* EP_RB_RECOVER_PERMISSION_DENIED - when user cannot access		
/// 1995 Set Frevious Backup 1997 Set Frevious Backup 1998 Abunction Description: 1999 Content to that of the previous back 1999 Content (1) - Pointer one the greatore context 1990 Content (1) - Pointer to the restore context 1990 Content (1)			
/// 1199 See Previous Backup 1199 See Previous Backup 1199 Pannetion Description: 1400 See the restore context to that of the previous back 1401 Co the current one. 1401 Parameters: 1402 Parameters: 1403 Parameters: 1404 Parameters: 1405 Parameters: 1406 Parameters: 1407 Parameters: 1408 Parameters: 1409 Parameters: 1409 Parameters: 1400 Par			
195 / ***********************************	* Retu		
198 / Set Previous Backup 199	*		
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// 1995 /	*		
// 1395 /	*		
// 1199			
// 1198 // 1199 - Set Previous Backup 1199 - Nunction Description: 1199 - Set the restore context to that of the previous back			
198	* Set the restore context to that of the previous backup		
195 /	* Funct		
1199 /			
195 /	*		
1395 /	*	//	1394
1007			

92	Page 64 of 92	restore_dcpl/plugin.cc 47 Thu Jan 03 12:52:58 2008	Page 63 of 92
	and the second s		
		return EP_RB_RECOVER_NONE_EXISTS;	1482 1 ret
		-	1479 2
			1478 3
		<pre>// We found the one to backup return E_SUCCESS;</pre>	
		bnode->populate(context, POPULATE_CHILDREN);	1474 4
		return EP RB RECOVER WI LOCKED;	
		BackupNode *bnode=(BackupNode *)rn; rcd->currentBackupNode=bnode; if(!rcd->currentBackupNode->lockWorkitems(context))	1469 4 1470 4 1471 4
		<pre>rcd->currentBackupNode->unlockWorkitems(context); }</pre>	1468 4
		if(NULL)=rcd->currentBackupNode) {	1465 4
			1464 4
		(TRUE, FALSE):	1462 5
		<pre>// If we already have a current backup node, clear all marks f(rcd->currentBackupNode)</pre>	1960 4
			1458 4
~	1487 //	if((flags==BACKUP_SELECTION_FLAG_PARTIAL_OK) rn->getStateBit(STATE_COMPLETE))	1457 3
132	Fage of oil az	HSTPI_SetPrevBackup Induation (20200 2000)	Page 63 of 92

TIID Jan	Thu lan	1536 1 1536 1 1537 2 1538 2 1539 3 1540 3 1541 2 1542 2 1543 1	1529 1	1526 L 1527 2 1528 2	1524 1	1518 1 1519 2 1520 2 1521 1	1516 1	1513 1	1509 1510 1511 1	1505 1506 1507	1504	1500 1501 1502	1499	1497	1494	1492	1490	40 00	Thu Ja
110 Jan 03 12:32:36 2006	03 10-50-58 2008	Restorablode *rn=wilist->gstFix wilistrn & rn := bmode) if(flags=mackutp_skLectro(RestoreNode *lastprev=NULL	if(!bnode) { return EP_RB_F	BackupNode *bnode=	<pre>if(!wilist) (return EP_RB_F }</pre>	WiSetNode *wilist:	struct restoreCon	eerrno_ty RSTPI_Set!	**************************************		* Heturn Codes: * E_SUCCESS * EP_RB_RECOV	* I) -	* context (I	* of the current	* Function Description: * This routine must se	* Set Wext Backup		Thu Jan 03 12:52:58 2008
restore_acpropugin.cc 49	ractors denilations as 40	<pre>oreNode *rnwilist->getFirstChild(); eftr is in is knode) if (figgs==MACKUP_SELECTION_FLAG_PARTIAL_OK rn->getStateBit(</pre>	rev=NULL;	bnode) return EP_RB_RECOVER_RC_APP_DATA_NULL;	BackupNode *bnode=rcd->currentBackupNode;	wilist) return EP_RB_RECOVER_RC_APP_DATA_NULL;	WiSetNode *wilist=rcd->currentWisetNode;	struct restoreContextData *rcd=(struct restoreContextData *); context->ep	<pre>eerrno_ty RSTPI_SetNextBackup(restore_context *context,</pre>	######################################	of the new catalog	T COGES: - Operation completed successfully E_SUCCESS - operation completed successfully EP_RB_RECOVER_NO_NEXT_CATALOG - when at the most recent catalog ED EB BECCOVER DEBMISSION DEVIET - when wear carnot across the	Backup constraint flags: e.g., full-only/partial-ok	context (I) - Pointer to the restore context flags (of the current top level object. Paramatars:	Unction Description: This routine must set the restore environment to the the next			RSTPI_SetNextBackup
Page 65 of 92	Dogo de of oo	TATE_COMPLETE))						extData *)(context->appData);	Elags)	***************/	file	st recent catalog	-only/partial-ok			he the next backup		***	Page 65 of 92
i nu Jan u	Thu lon 0									1570 L	1567 2 1568 1	1562 3 1563 2 1564 2 1565 2	1560 2 1561 3	1558 2		1552 3 1553 2	1549 2	1547 2 1548 2	Thu Jan
Inu Jan 03 12:52:58 2008	10:50:50									return EP_RB_RECOVER_NONE_EXISTS;	return E_SUCCESS;	return EP_RB} bnode->populate // We found the	if(rcd->curren	BackupNode *bnode=(BackupNode rcd->currentBackupNode=bnode)	rod->curre	rcd->curre } if(NULL)=rcd->c	if(rcd->current	// If we alread	Thu Jan 03 12:52:58 2008
restore_acpupingin.cc 50	rectors designing on 60									NONE_EXISTS;	8;	<pre>return EP_RB_RECOVER_WI_LOCKED; } bnode->populate(context, POPULATE_CHILDREN); // We found the one to backup</pre>	<pre>if(!rcd->currentBackupNode->lockWorkitems(context)) {</pre>	BackupNode *bnode=(BackupNode *)lastprev; rcd->currentBackupNode=bnode;	rcd->currentBackupNode->unlockWorkitems(context);	rcd->currentBackupNode->unmarkNode(TRUE,FALSE); } if(NULL)=rcd->currentBackupNode)	BackupNode)	// If we already have a current backup node, c	RSTPI_SetNextBackup
Page 65 of 92	Boss de citos												ext))		ontext);	ALSE);		clear all marks	Page 66 of 92

	Thu Jan 03 12:52:58 2008 Page 68 of 92	restore_dcpi/plugin.cc 51	7 of 92	Page 67 of 92
rcd->currentBackupNode->unlockWorkitems(context);	1635 4			
return E_SUCCESS;	1633 5			
/. Me are arready at the trans brace of recent				
(* 11 out of the state of the s	1631 5			
if(rn==rcd->currentBackupNode)	1630 4			
<pre>if(NULL != rcd->currentBackupNode)</pre>	1628 3			
<pre>rcd->currentBackupNode->unmarkNode(TRUE, FALSE); }</pre>	1626 4 1627 3			
	1625 4			
if(red->currentBackupNode)	1624			
// If we already have a current backup node,	1673 3			
STATE_COMPLETE())				
f f flags==Backip SELECTION FIAG PARTIAL OK rn->getStateBit(1620 2			
<pre>for(RestoreNode *rn=wilist->getFirstChild();rn; rn=wilist->getNextChild())</pre>	1619 1			
// // Set the iterator to the curent item //	1615 1 1616 1 1617 1			
RestoreNode *bnode=NULL;	1613 1			
	1611 1			
return EP RB RECOVER RC APP DATA NULL;	1609 2			
if(willst)	1608			
WiSetNode *wilist=rcd->currentWisetNode;	1606 1			
struct restoreContextData *rcd=(struct restoreContextData *)(context->appData);	1603 1			
	1601 1			
eerrno_ty RSTPI_SetMostRecentBackup(restore_context *context, RSTRPC_backup_flags_ty flags)				
***************************************	1597			
the new catalog.	1595			
Pr_ve_verover(_resource_contents mines meet content of file of	10.84			
* en se necoure needstoom newten - when week cannot access the	1593			
*A *Return Codes: * Return Codes: * E_SUCCESS - operation completed successfully	1590 1591 1592			
* context (I) - Pointer to the restore context * flags (1588			
* Parameters:	1586			
* plane.	1585			
* Set the restore context to that of the most recent backup	1584		1	1578
* Function Description:	1582			
* Set Most Recent Backup	1580			
**	1579			
	The contract took		9	

Thu Jan 03 12:52:58 2008	1651 1 ret	1647 2	1646 3	1643 3	1641 4	1639 3	1636 3	inu Jan 03 12:52:58 2008
	return EP_RB_RECOVER_SET_BUTIME_ERROR;	_	return E_SUCCESS;	bnode->populate(cont) // We found the one	return EP_RB_RECOVER_WI_LOCKED;	if(!rcd->currentBackupNo	BackupNode *bnode=(B	
restore_dcpl/plugin.cc 53	ME_ERROR;			<pre>fbnode->populate(context, POPULATE_CHILDREN); // We found the one to backup</pre>	OVER_WI_LOCKED;	<pre>rca->currentHackupNode=bnode; if(!rcd->currentBackupNode->lockWorkitems(context))</pre>	ackupNode *)rn;	RSTPI_SetMostRecentBackup
Page 69 of 92						xt))		Page 69 of 92
Thu Jan					7.697			
Thu Jan 03 12:52:58 2008					*			Thu Jan 03 12:52:58 2008
restore_dcpl/plugin.cc 54								
Page 70 of 92								Page 70 of 92

110 Jan 03 12:32:30 2000	resore_achypragm.cc.so	Page / 2 01 92	or 35 cestore_adplyplugin.cc 55 intu Jan 03 12:52:56 2008	Page /1 of 92
Thu 122 02 12:50:58 2008		2		
			bnode->populate(context, POPULATE_CHILDREN);	1715 3
			return EP_RB_RECOVER_WI_LOCKED;	1713 4
		and the same of th	<pre>if(!rcd->currentBackupNode->lockWorkitems(context)) </pre>	1712 4
		-	rcd->currentBackupNode=bnode;	1710 3
			rcd->currentBackupNode->unlockWorkitems(context);	1706 4
			if(NULL!=rcd->currentBackupNode)	1705 5
			rcd->currentBackupNode->unmarkNode(TRUE,FALSE);	
			if(rcd->currentBackupNode)	1701 3
			<pre>// If we already have a current backup node, clear all marks</pre>	1700 3
			<pre>if(flags==BACKUP_SELECTION_FLAG_PARTIAL_OK rn->getStateBit(</pre>	
			<pre>for(RestoreNode *rn=willst->getFirstChild();rn;</pre>	1696 1
			// Set the iterator to the curent item	1693 1
				1600
			if(wilst) (return EP_BB_RECOVER_RC_APP_DATA_NULL;)	1687 1 1688 2 1689 2 1690 1
			WiSetNode *wilist=rcd->currentWisetNode;	1685 1
			<pre>struct restoreContextData *rcd=(struct restoreContextDate *) { context->appData);</pre>	1682 1
			eerrno_ty RSTPI_SetFirstBackup(restore_context; "context; RSTRPC_backup_flags_ty flags) (1678 1679 1680 1
			2. 电电影电话电话 化环烷 化环烷 计设计 化电子电影 医电子 医电子 医现代性 计对比 医格特特氏性 医克勒氏试验检检验检验检验检验检验检验检验检验检验检验检验检验检验检验检验检验检验检验	1676
			* the new catalog	1674
			 EP_RB_RECOVER_PERMISSION_DENIED - when user cannot access the file of 	1673
			* Return Codes: * E_SUCCESS - operation completed successfully	1670
			* I) - Backup constraint flags: e.g., full-only/partial-ok	1669
			* Rarameters: * Context (I) - Pointer to the restore context * Lidgs (1666 1667
			* Function Description: * Set the restore context to that of the first backup plane. *	1664
	return EP_RB_RECOVER_SET_BUTIME_ERROR;	1721 1 1	* Set First Backup	1661
	return E_SUCCESS; }	1717 3 1718 2 1719 1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1659

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RSTPI_SetFirstBackup

Thu Jan 03 12:52:58 2008 restore_dcpt/plugin.cc 58 Page 74 of 92	Thu Jan 03	Page 73 of 92	restore_dcpi/plugin.cc 57	Thu Jan 03 12:52:58 2008	Thu Jan (
if(first)	1787 2				
for(RestoreNode *rn=wilist->getThisChild();rn; rn=wilist->getBrevChild())	1/86 1				
bool first=TRUE;	1784 1				
return EP_RB_RECOVER_SETTING_TO_SPECIFIC_CHILD;	P N N				
if(wilist->setIterToSpecificChild(bnode))	pa p				
// // Set the iterator to the curent item //	1775 1				
if(Dmode) (return EP_RB_RECOVER_RC_APP_DATA_NULL;)	1770 1 1771 2 1772 2 1773 1				
//Debuggine only RestoreNode *rob=bnode;	1767 1 1768 1				
BackupNode *bnode=rcd->currentBackupNode;	1765 1				
if(twilist) return EP_MB_RECOVER_NC_APP_DATA_NULL; }	1759 1 1760 2 1761 2 1762 1				
WiSetNode *wilist=rcd->currentWisetNode;	1757 1				
*isThere=FALSE;	1755 1				
<pre>struct restoreContextData *rcd=(struct restoreContextData *)(</pre>	1753 1				
eerrno_ty RSTPI_IsTherePrevBackup (restore_context *context, RSTRC_backup_flags_ty flags, boolean_ty *isThere) {	1748 ee 1749 1750 1751 1 (
*/	1746				
* Return Codes: - operation completed successfully - EP_RE_RECOVER_xxx - when errors occur accessing catalogs	1742				
 Backup constraint flags: e.g., full-only/partial-ok isThere (0) - TRUE/FALSE that requested backup does exist 	1740				
* Parameters: * context (I) - Pointer to the restore context * flags (1737				
 Punction Description: Determine if a backup exists prior to the backup that is currently selected. 	1732 1733 1734			*	1728
* Is There Prev Backup					
/**************************************	1730				

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RSTPI_IsTherePrevBackup

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.	H H00000 0011			-			
	RestoreMode *Inswillst->petFirstChild(); while(In && In i= bnode) if(flags=*BACTUP_SELECTION_FLAG_PARTIAL_OK xr>petStateBit(BæckupNode *biode=rcd->currentBæckupNode; [f(Imode) { return EI_RS_RECOVER_RC_APP_DATA_NULL; }	WiSetNode *wilst-rcd->currentWisetNode; if('wilst) return EP_RB_RECOVER_RC_APP_DATA_NULL;	*isThere=FALSB;	<pre>eerrn_ty RFFI_IsthereNextRackup(reserve_context, "context, "context, to server_context, and to server_context and to server_context." isthere); { struct restoreContextData *rcd=(struct restoreContext-a); }</pre>	Return Codes: E_SUCCESS: EP_RE_MECOURE_xxx - when errors occur accessing catalogs	Is There Next Backup **Imentian Description* **Courrently ealected.** **Parameters: **Parame
				1894 1	1888 1889 1 1890 1 1891 1	1881 1882 1883 1884 1885 1886	1869 1870 1871 1872 1873 1873 1874 1876 1876 1877 1878
				return E_SUCCESS;	char **cl=(char **)(thisObject>appData.data); RestoreMode *rnodeps(RestoreMode *)(*cl); return rnodeps-iModeModeMode *)(*cl);	s not markable by the user;	Joseph Markable Joseph Markable Junction Description: Returns FRUE It the specified object is markable by the user, returns MARSE If It is not. This function applies only to constance (directory and lest (file) objects. Farameters: Astembers: Parameters: Joseph Markable College Context College Context College

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 1843 1

 1833 1

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RSTPI_IsObjectMarkable

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entry->next=*templates; entry->name=esl_strdup(tname);	2011 3	CONCENTED	1952 2
	2009 3	CONTINUE.	
"RSTPI_GetTopLevelTemplates: Malloc failure");		Selection and the part partition	
	2006 4	rnodep->getNextChild())	
if(NULL==entry)		<pre>for(RestoreNode *rn=rnodep->getFirstChild(); rn;</pre>	1944 1
<pre>entry=(struct RSTRPC_name_list *)mallog(sizeof(</pre>	2003 3	rame racco-round	
struct RSTRPC_name_list *entry;	2001 3	*numberEntries=NULL;	1940 1
// Midd Entry to the track at most databased from our	2000 3		
// roll outers to the like of mot plypady hore	1998 3		1937 1
if(addIt)		rcd->currentBackupNode->unmarkNode(TRUE,FALSE);	
//	1995 2	if(NULL:=rcd->currentBackupNode)	1933 2
// Add the entry only if it hasn't already been placed on the	1993 2 1994 2	if(NULLi=rcd)	1931 1 1932 2
	1991 2	<pre>struct restoreContextData *rcd=(struct restoreContextData *) { context->appData);</pre>	
lookat_entry=lookat_next;	1989 3	// object must be cleared.	1928 1
lookat_next=NULL; addIt=FALSE; // Fount it!!!	1987 4	<pre>// Since we are setting a top level object, // Since we are setting a top level object, the marks on any existing</pre>	1927 1
<pre>if(0==strcmp(tname,lookat_entry->name)) {</pre>	1985 3		
lookat next=lookat entry->next;	1983	return EP_RB_RECOVER_RN_APP_DATA_NULL;	1923 2
while(lookat_entry)	1982 2	rbe_log_stats(1922 2
<pre>struct RSTRPC_name_list *lookat_next; struct RSTRPC_name_list *lookat_entry=*templates;</pre>	1979 2 1980 2	if(NULL==rnodep)	1920 1
bool addIt=TRUE;	1977 2	<pre>char ** cl={cher **} (topLevelObj=>appData.data); RestoreNode *tnodep={RestoreNode *} (*cl);</pre>	1917 1 1918 1
// Now, let's see if we already have it	1975 2		1916 1
	1972 3	*p	1914
0, "RSTPI_GetTopLevelTemplates: Template property ob backup node has no value");		restore_context *context, struct RSTRPC top level_obj *topLevelObj,	
if(tname(0) == '\0') {	1969 2 1970 3 1971 3	PARTON IN BOTH GALTONIAN BURNALESS	1910
		A Chief William references on complementary and one of the complementary	1909
<pre>// We should always find a template property. Skip this item // if we don't.</pre>	1965 2 1966 2 1967 2	ries (1908
	1964 2	* templates (* templates (* templates (* templates (1906
<pre>char * tname=(char *) (cp->getValue());</pre>	1961 2	Œ	1904
	1959 2	* object could have been backed up.	1902
continue;	1958 3	 This function is required to retrieve the templates with which a backup 	1901
rbe_iog_stats(), "RSTPI_GetTopLevelTemplates: Template property not found on backup	1957 3	* Get Top Level Templates:	1899
if(NULL=ED)	1955 2	/++++++++++++++++++++++++++++++++++++++	1898
RnProperty *tp=rn->getProperty(PROPERTY TEMPLATE);	1950 2		

Thu Jar	Thu Jan 03 12:52:58 2008 RSTPI_GetTopLevelTemplates	Page 81 of 92	Thu Ja	Thu Jan 03 12:52:58 2008 RST	RSTPI_ClearRestoreContext	Page 82 of 92
2013 3	(NULL == ent				I	
2014 4	rbe_log_stats(2031	/**************************************	● 医电影电影电影电影 计计划通讯设计 中海海洋中央沿途设计计划设备中央公司法 医阿拉氏氏氏试验检检检试验检 医阿拉氏试验检试验检检尿病	*
2016 4	0, "RSTPI_GetTopLevelTemplates: Malloc failure"); return EP_RB_RECOVER_MALLOC_FAILURE;	[alloc failure"];	2032	* Clear Restore Context :		
			2034	* This function is called t	This function is called to notify the plug-in that its currently select.	currently selected
2019 1	*templates=entry;		2035	* top level object is no longer selected (onger selected (Deader The
2021 J 2022 2	(*numberEntries)*+; }		2036	* plug~in should perform wh * appropriate.	plug~in should perform whatever cleanup and memory deallocation is appropriate.	llocation is
2024			2038	* Refrance.		
			2040	* E_SUCCESS 0 * EP_RB_RECOVER_XXX 0	on success	
2027 1	return E_SUCCESS; }		2042			
	•	790000	2044	- (I)	Pointer to the restore context	
				eerrno_ty RSTPI_ClearRestoreC	eerrno_ty RSTDI_ClearRestoreContext(restore_context *context)	ext)
				// Get the restore context so we can find the app data	so we can find the app data	
			2052 1	struct restoreContextData *:	/// struct restoreContextData *rcd=(struct restoreContextData *)(context->a;	xtData *)(context->appData)
			2053 1	; rbe_log_debug(0,"In RSTPI_ClearRestoreContext");	_ClearRestoreContext");	
			2056 1	if(NULL == rcd)		
			2058 2 2059 1	return EP_RB_RECOVER_RC_APP_DATA_NULL; }	_APP_DATA_NULL;	
			2061 1 2062 1	// Clear locks if they exist if (NULL := rcd->currentBackupNode)	t upNode)	
				rbe_log_debug(0, "RSTPI_C1e	rbe_log_debug(0,"RSTPI_ClearRestoreContext: unlocking %s",	še",
			2066 2	rcd->currentBackupNode->unmarkNode(TRUE,FALSE);	ckupNode->unmarkNode(TRUE,FALSE);	
			2068 1	rcd->currentBackupNode=NULL;		
			2071 1	return E_SUCCESS;		
		~~~				

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INUADIOUIZZAZNIANA  PHEPROPRE  PH	Thu Jan 03 12:52:58 2008	restore_dcpi/plugin.cc 68	Page 84 of 92	of 92 restore_dcpi/plugin.cc 67 Thu Jan 03 12:52:58 2008	Page 83 of 92
RSIPLS HERE From Rechamber For Time    The Process From Rechamber For Time				time_t btime=dp->getValue()->unixTime();	
HSIPLSINDEPHENDROPHINE INLANDISCUES:    File   File				BackupNode *bn=(BackupNode *)rn; RnPropertyDate *dp=(RnPropertyDate *)(rn->getProperty( RNOEERTY_BACKUP_DATE));	
HSDP_CENTROLED FOR Times  FROM LOCADE AND TIMES  FROM LOCADE FOR TIM				<pre>if((flags==BACKUP_SELECTION_FLAG_PARTIAL_OK)  </pre>	
HSSPLISHmenPredbookprofilme Inwantorization (1222-202-200)  HSSPLISHmenPredbookprofilme 2011   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811   1811				for (RestoreNode *rn=willst->getFirstChild();rn; rn=willst->getNextChild())	
HSIPLISIMENTPROBACKUPIONINE  HSIPLISIMENTPROBACKUPINE  HAVE Provided the policy of time  Find There Prov Nockup Por Time  Find There				// to this one.	
HASPLISHmenPrevBackupPorline  PARTICLE Description:  13 There Prev Backup Por Time  PARTICLE Description:  14 There Prev Backup Por Time  PARTICLE Description:  15 There Prev Backup Por Time  PARTICLE Description:  16 There Description:  17 There Prev Backup Por Time  PARTICLE Description:  18 There Prev Backup Por Time  PARTICLE Description:  19 There Prev Backup Por Time  PARTICLE Description:  10 There Prev Backup Por Time  PARTICLE Description:  11 There Prev Backup Por Time  PARTICLE Description:  12 There Prev Backup Por Time  PARTICLE Description:  13 There Prev Backup Por Time  PARTICLE Description:  14 There Prev Backup Por Time  PARTICLE Description:  15 There Prev Backup Por Time  PARTICLE Description:  16 There Particle Trade:  17 There Prev Backup Por Time  PARTICLE Description:  18 There Prev Backup Por Time  PARTICLE Description:  19 There Particle Trade:  10 There Particle Trade:  10 There Particle Trade:  10 There Particle Trade:  11 There Particle Trade:  12 There Particle Trade:  12 There Particle Trade:  13 There Prev Backup Por Time  24 There Particle Trade:  25 There Prev Backup Por Time  26 There Particle Trade:  27 There Particle Trade:  27 There Particle Trade:  27 There Particle Trade:  28 There Prev Backup Por Time  29 There Particle Trade:  29 There Particle Trade:  20 There Particle Trade:  20 There Particle Trade:  20 There Particle Trade:  20 There Particle Trade:  21 There Particle Trade:  22 There Particle Trade:  23 There Particle Trade:  24 There Particle Trade:  25 There Particle Trade:  27 There Particle Trade:  27 There Particle Trade:  27 There Particle Trade:  28 There Particle Trade:  29 There Particle Trade:  29 There Particle Trade:  20 There Particle Trade:  20 There Particle Trade:  20 There Particle Trade:  21				// // Loop over all backup objects in this set looking for one which is	
HASHPLISHmenPrevBookupForline  HASHPLISHmenPrevBookupForline  Function Description:  Functi				return EP_RB_RECOVER_RC_APP_DATA_NULL; }	
### ASSOCIAL HASPLISHMENTERSHOOMPOINTE INJANIO/IZZZSZADA  ##################################				IE( bnode) {	
### ASSOCIAL HASPLISHMENTERSHOOMPOINTE INJANIO/IZZZSZADA  ##################################				BackupNode *bnode=rcd->currentBackupNode;	
### ASSOCIAL HASPLISHmesPreyBackupForInne   INJANIO 1/2028/2000   2011   12   12   12   12   12   1				return EP_RB_RECOVER_RC_AFP_DATA_NULL;	
### ASSOCIAL HEIPLISHmenPredaboupPorline   INLANIOLIZAZZAZADA   PRILITATINE PRILISHMENTPREMADAJPORLINE				if(!wilist)	
### RESTRETANCE OF THE PROPERTY OF THE PROPERY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY				WiSetNode 'wilist=rcd->currentWisetNode;	
### RSIPLISINGEPREMEMOUPPOINTE   INJANIOS/EACAS/AND   FASTLESINGEPREMEMOUPPOINTE   FASTLESINGEPREMEMOUP				<pre>struct restoreContextData *rcd=(struct restoreContextData *) {     context-&gt;appData);</pre>	
### ### ##############################					pr p
### ASS of \$2 HSIPLISI HeadPrevBackupPorline   INLANIOS YZAZZOS ZAUG   FRIPLISI HeadPrevBackupPorline   2111   1   1   1   1   1   1   1   1				RSTRPC_backup_flags_ty boolean_ty	-
### PASS of \$2 PASS PLAS   Reserve decoupror nine   Reserve   Rese				<pre>eerrno_ty RSTPI_IsTherePrevBackupForTime( restore_context *context,</pre>	
### PART   SheepPedBoOutPoinine   Indian to 12229 2000   Fig.   F				/*	2091
### ### ### ### ### ### ### ### ### ##				1	2089
### ### ### ### ######################				tri	2087
#SIS of 82 HSIPLISI HeePiredsboupporline INJ Ann VS 120205 2000 2011   1				<ul> <li>I) - Backup constraint flags: e.g., full-only/partial-ok</li> <li>isThere (O) - TRUE/FALSE that requested backup does exist</li> </ul>	2085
#SIS of 82 HSIPLISI HeePiredsboupportime INJ Jan 163 17262-26 Adds 182 FRIPLISI HeePiredsboupportime 2111   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211   1211				<ul> <li>thisTime(I) - Time for the query</li> <li>flags (</li> </ul>	2083
#SSO 02 HSTPLISTHERPHYSHOOUPPOINTE INJANIOS TZAZZO ZAGO 2011 JA EfthSTPLESTHERPHYSHOOUPPOINTE 2011 J EfthSTPLESTHE > believe   Letter   Le			<del>-</del>	* Parameters:  * context (I) - Pointer to the restore context	2081
p 83 of 92 HSIPLIs InedePreyBackUpPorline INJ Jan 163 17262208 ZAUGU PAGE 40 1842 FASTILES INEDEPTENDAGAUGUTATINE 2111 1		rn E_SUCCESS;	-	* Determine if a backup exists prior to the specified time	2079
p 83 of 92 HSIPLIs IneePreydaboupprorline Inu Jani UX 17202-20 ZAUGU Palge VOI VX FAIST ILE INEEPREVDABOURDININE    111		,	2136 2 }	* 18 There wrey backup for Time  * Processon Description:	2076
683 of 92   HSI PL Is IneePrevideoCuprorline		return E_SUCCESS;	2134 4	+	
RSTPI_IsT herePrevBackupFortime in Jun Jan U3 12/32/38 2/JUB Page 94 0 192 in Figure 2 - All Fig		*isThere=TRUE;	2132 4	/X	2075
	inu Jan us iziszis	HOLFILISING PROPERTY AND A STATE OF THE STAT	Page 84 of 92	of 92 RSTPLIsTherePrevBackupForTime Thu Jan 03 12:52:58 2008	Page 8

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of 92		<u> </u>						eerrno.	* * * Reti	* *			*	* *	* *	* Par	* .		* 75	* 100	
restore_dcpi/plugin.cc 71 Thu Jan		return E_SUCCESS;	*pi_defs = &myPiID	2	RSTPI_OPTION_SYMM_RESTORE_ALLOWED	RSTPI_VERSION. "Symmetrix Connect Restore Plug-in	<pre>static char types[2] = {WI_TYPE_DC_NETWORK,</pre>	eerrno_ty RSTPI_Identify( const struct pluginIDdata **pi_defs )	Returns: E_SUCCESS on success EP_RB_RECOVER_XXX on error	num_cypes - number or wichbes in the wichbes error	delined above.  wi_types = pointer to array of workitem types supported by the plugin	tions for this param	ns - Bit mask identifying the opti	version - Version of the plugin header that the library was built w name - Name of the backup application (	<pre>pi_defs (</pre>	Parameters:	for comparintly with the restore engine, and the option of the plug-in are specified.	regard to the operating restore engine. The version number is checked	This function is called once, to identify and validate the plug-in with	Identity	/ restrict the section of the section of the section $x$
Thu Jan 03 12:52:58 2008 Pa					TORE_ALLOWED,	RSION, ct Restore Plug-in",	tification */	defs )		2277	ported by the plugin	RSTPI_OPTION_MASK) are 2272	ed s)	E.		2261 2262	and the optional features 2259			1 25 8	
Page 88 of 92	 								9	77 1	26 27	22	2269 1 2270 1	<u>-</u>	2263 2264 2265	2261	2259	2257	2256	2254	;
f 92 restore_dcpi/plugin.cc 72										return E_SUCCESS;	delete rcd->currentBackupNode; free (rcd);	delete rcd->currentWisetListNode;	struct restoreContextData *rcd = (struct restoreContextData *)( context->ap)	eerrno_ty RSTPT_Finish( restore_context *context )	* E_RUCCESS on success  * EP_RB_RECOVER_xxx on error  *	* Returns:	* Parameters: * context (I) - Pointer to the restore context	* storage when a restore session is ending.	* This function is called to allow the plug-in to clean up its	* Finish:	人名英格兰 医电子性 医克克氏性 化二甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基
Thu Jan 03 12:52:58 2008													ontextData *)( context->appData);	)					to clean up its		******

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RSTPI_Identify

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RSTPI_Finish

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						,
			drases )		1 ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (	2297 2298 2299 2299 2300 2301
		BA Name of the Control of the Contro	*context, templateName, *exists )	<pre>certino_ty RSTPI_DoesAlternateExist( restore_context</pre>		2293 2294 2296
			/***************/	***************************************		2291
			to look for	Parameters: (I) - Pointer to the restore context template/men (I) - The name of the template to look for exists () - Return flag for whether or not the alternate exists	* Parameters * context * templateNd * exists	2286 2287 2288 2289
			ilset exists for the	This routine determines if an alternate trailset exists for the given template.		2283
			***************************************	/TOURS Alternate Exist		2280 2281
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